

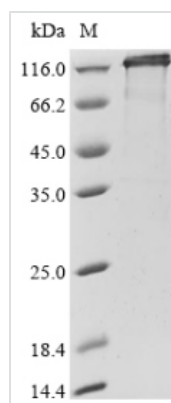


# Recombinant Human E3 ubiquitin-protein ligase NEDD4-like (NEDD4L)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP850411HU(A4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Abbreviation</b>      | Recombinant Human NEDD4L protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Uniprot No.</b>       | Q96PU5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>    | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sequence</b>          | <p>ATGLGEPVYGLSEDEGESRILRVKVVSGIDLAKKDIFGASDPYVKLSLYVADEN<br/> RELALVQTKTIKKTLPKWNEEFYFRVNPNSNHRLLEFVDENRLTRDDFLGQV<br/> DVPLSHLPTEDPTMERPYTFKDFLLRPRSHKSRVKGFLRLKMAYMPKNGGQD<br/> EENSQDQRDDMEHGWEVVDSDNSASQHQEELPPPPLPPGWEEKVDNLGRTY<br/> YVNHNNRTTQWHRPSLMDVSSSDNNIRQINQEAHRRFRSRRHISEDLEPE<br/> PSEGGDVPEPWETISEEVNIAGDSLGLALPPPPASPGSRTSPQELSEELSRRL<br/> QITPDSNGEQFSSLIQREPSSRLRSCSVTDAVAEQGHLPPPSAPAGRARSSTV<br/> TGGEPTPSVAYVHTTPGLPSGWEERKDAKGRTYVYVNHNNRTTTWTRPIMQL<br/> AEDGASGSATNSNNHLIEPQIRRPRLSSPTVTLAPLEGAKDSPVRRRAVKDTL<br/> SNPQSPQSPYNPKPKQHKVTQSFLPPGWEMRIAPNGRPFFIDHNTKTTTWE<br/> DPRLKFPVHMRSKTSLNPNDLGLPPGWEEIRHLDGRTFYIDHNSKITQWEDP<br/> RLQNPAITGPAVPYSREFKQKYDYFRKKLKKPADIPNRFEMKLHRNNIFEESYR<br/> RIMSVKRPDVLKARLWIEFESEKGLDYGGVAREWFFLLSKEMFNPHYGLFEYS<br/> ATDNYTLQINPNSGLCNEDHLSYFTFIGRVAGLAVFHGKLLDGGFFIRPFYKMML<br/> GKQITLNDMESVDSEYYNSLKWILENDPTELDLMFCIDEENFGQTYQVDLKP<br/> GSEIMVTNENKREYIDLVIQWRFVNRVQKQMNAFLEGFTPELLIDLIKIFDENEL<br/> ELLMCGLGDVDVNDWRQHSIYKNGYCPNHPVIQWFWKAVLLMDAEKRIRLLQ<br/> FVTGTSRVPMNGFAELYGSNGPQLFTIEQWGSPEKLPRAHTCFNRLDLPPYE<br/> TFEDLREKLLMAVENAQGFEGVD</p> |
| <b>Research Area</b>     | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | NEDD4L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Expression Region</b> | 2-975aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| <b>Tag Info</b>       | N-terminal GST-tagged                                                                               |
| <b>Mol. Weight</b>    | 138.5 kDa                                                                                           |
| <b>Protein Length</b> | Full Length of Mature Protein                                                                       |

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Description**

The expression region of this recombinant Human NEDD4L covers amino acids 2-975. The theoretical molecular weight of the NEDD4L protein is 138.5 kDa. Expression of this NEDD4L protein is conducted in e.coli. The NEDD4L coding gene included the N-terminal GST tag, which simplifies the detection and purification processes of the recombinant NEDD4L protein in following stages of expression and purification.

The human E3 ubiquitin-protein ligase NEDD4-like (NEDD4L) is a member of the NEDD4 family of HECT-type ubiquitin ligases. NEDD4L plays a key role in the regulation of protein degradation through the ubiquitin-proteasome system. It catalyzes the transfer of ubiquitin molecules onto substrate proteins, leading to their tagging for degradation. NEDD4L has been implicated in various cellular processes, including the control of cell growth, proliferation, and membrane trafficking. It interacts with a diverse array of substrates, including membrane proteins and signaling molecules, contributing to the regulation of multiple cellular pathways. NEDD4L's involvement in the ubiquitin-mediated protein degradation pathway makes it a crucial player in maintaining cellular homeostasis and responding to various physiological signals. Understanding NEDD4L's functions is essential for unraveling its roles in normal cellular processes and its potential implications in diseases.

|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |                                                                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shelf Life</b> | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



of lyophilized form is 12 months at -20°C/-80°C.