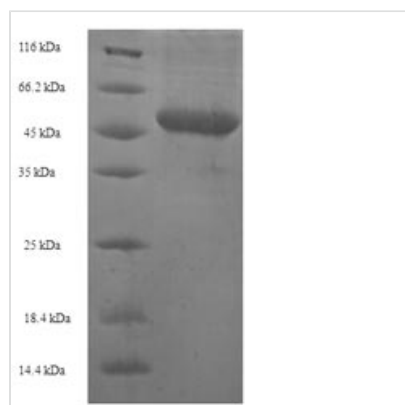




# Recombinant Human Pro-neuregulin-2, membrane-bound isoform (NRG2), partial

<b>Product Code</b>	CSB-EP016078HU
<b>Relevance</b>	Direct ligand for ERBB3 and ERBB4 tyrosine kinase receptors. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. May also promote the heterodimerization with the EGF receptor.
<b>Abbreviation</b>	Recombinant Human NRG2 protein, partial
<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>	O14511
<b>Alias</b>	Divergent of neuregulin-1 ;DON-1Neural- and thymus-derived activator for ERBB kinases ;NTAK
<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>	CYSPSLKSVQDQAYKAPVVVEGKVQGLVPAGGSSSNSTREPPASGRVALVKV LDKWPLRSGGLQREQVISVGSCVPLERNQRYIFFLEPTEQPLVFKTAFAPLDT NGKNLKKEVGKILCTDCATRPKLKKMKSQGTGQVGEKQSLKCEAAAGNPQPSY RWFKDGGKELNRSRDIRIKYGNGRKN SRLQFNKVKVEDAGEYVCEAENILGKDT VRGRLYVNSVSTTLSSWSGHARKCNETAKSYCVNGGVCCYYIEGINQLSCKCP NGFFGQRCLEKLPLRLYMPDPKQKAEELYQKR
<b>Research Area</b>	Neuroscience
<b>Source</b>	E.coli
<b>Target Names</b>	NRG2
<b>Protein Names</b>	Recommended name: Pro-neuregulin-2, membrane-bound isoform Short name= Pro-NRG2 Cleaved into the following chain: 1. Neuregulin-2 Short name= 2. NRG-2 Alternative name(s): Divergent of neuregulin-1 Short name= DON-1 Ne
<b>Expression Region</b>	112-405aa
<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 6xHis-SUMO-tagged
<b>Mol. Weight</b>	48.8kDa
<b>Protein Length</b>	Extracellular Domain
<b>Image</b>	



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

### Reconstitution

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.

### Shelf Life

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.