



# Recombinant Human Transforming growth factor beta activator LRRC33 (NRROS), partial

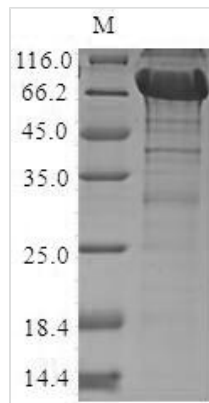
<b>Product Code</b>	CSB-BP801264HU
<b>Relevance</b>	Negative regulator of reactive oxygen species (ROS) that limits ROS production by phagocytes during inflammatory response, thereby playing a role during host defense. Acts via direct interaction with CYBB/NOX2 monomer that impairs interaction between CYBB/NOX2 and CYBA/p22-phox and formation of a stable NOX2 complex. May play a critical role in desensitizing TLR signaling through inhibition of Toll-like receptor-mediated NF-kappa-B activation and cytokine production.
<b>Abbreviation</b>	Recombinant Human NRROS 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>	Q86YC3
<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>	WRNRSGTATAASQGVCKLVGGAADCRGQSLASVPSSLPPHARMLTLDANPL KTLWNHSLQPYPLLESLSLHSCHLERISRGAFQEQGHLRSLVLGDNCLSENYE ETAAALHALPGLRRLDLSGNALTEDMAALMLQNLSSLRSVSLAGNTIMRLDDS VFEGLERLRELDLQRNYIFEIEGGAFFDGLAELRHLNLAFFNNLPCIVDFGLTRLRV LNVSYNVLEWFLATGGEEAAFELETDLSHNQLLFFPLLPQYSKLRLLLLRDNNM GFYRDLYNTSSPREMVAQFLLVDGNVTNITTVSLWEEFSSSDADLRLDMSQ NQFQYLPDGFRLKMPSLSHLNLHQNCLMTLHIREHEPPGALTDLSHNQLSE LHLAPGLASCLGSLRLFNLSNQLLGVPGLFANARNITTLDMSHNQISLCPLP AASDRVGPSPCVDFRNMAASLRSLSLEGCGLGALPDCPFQGTSLTYLDLSSNW GVLNGSLAPLQDVAPMLQVLSLRNMGLHSSFMALDFSGFGNLRDLDSGNCL TTFPRFGGSLALETDLRRNSLTALPQKAVSEQLSRGLRTIYLSQNPYDCCGV DGWGALQHGQTVADWAMVTCNLSSKIIRVTELPGGVPRDCKWERLDLGL
<b>Research Area</b>	Others
<b>Source</b>	Baculovirus
<b>Target Names</b>	NRROS
<b>Protein Names</b>	Leucine-rich repeat-containing protein 33LRRC33
<b>Expression Region</b>	19-650aa
<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 10xHis-tagged and C-terminal Myc-tagged



**Mol. Weight** 73.5 kDa

**Protein Length** Extracellular Domain

**Image**



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

## Description

The gene responsible for the Human NRROS protein (19-650aa) is cloned into a plasmid vector to obtain recombinant plasmid, which is then transformed into baculovirus cells. baculovirus cells demonstrating successful uptake of the recombinant plasmid are selected based on their ability to endure a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. Post-expression, affinity purification is employed to isolate and purify the recombinant Human NRROS protein from the cell lysate. The resulting recombinant protein is subjected to denaturing SDS-PAGE, allowing for an estimation of its purity, surpassing 90%.

## 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

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