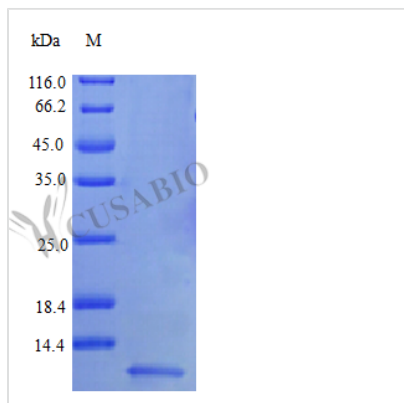




# Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active)

<b>Product Code</b>	CSB-AP002851HU
<b>Abbreviation</b>	Recombinant Human NRG1 protein, partial (Active)
<b>Uniprot No.</b>	Q02297
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 m filtered 1 × PBS, pH 7.4, with 5 % trehalose
<b>Product Type</b>	Growth Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 0.5 ng/ml, corresponding to a specific activity of >2.0x10 <sup>6</sup> IU/mg.
<b>Purity</b>	≥97% as determined by SDS-PAGE.
<b>Sequence</b>	SHLVKCAEKE KTFCVNGGEC FMVKDLSNPS RYLCKCPNEF TGDRQCQNYVM ASFYKHLGIE FMEAE
<b>Research Area</b>	Neuroscience?
<b>Source</b>	E.coli
<b>Target Names</b>	NRG1
<b>Expression Region</b>	122-186aa
<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>	Tag-Free
<b>Mol. Weight</b>	7.5 kDa
<b>Protein Length</b>	Partial of Isoform 11
<b>PubMed ID</b>	1350381; 7509448; 8096067; 7782315; 14702039; 16421571; 9333014; 12145742; 17565985; 15489334; 7689552; 1348215; 7902537; 10523851; 10597312; 10867024; 8062828; 8639490

Image


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**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.