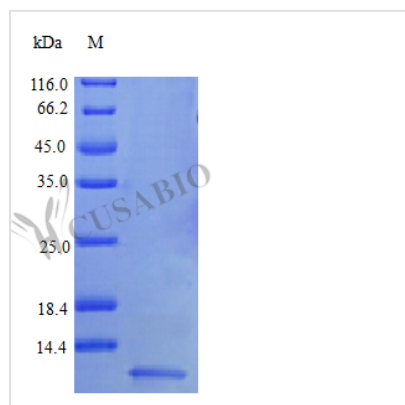




Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active)

Product Code	CSB-AP002851HU
Abbreviation	Recombinant Human NRG1 protein, partial (Active)
Uniprot No.	Q02297
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 m filtered 1 × PBS, pH 7.4, with 5 % trehalose
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	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 ⁶ IU/mg.
Purity	>97% as determined by SDS-PAGE.
Sequence	SHLVKCAEKE KTFCVNGGEC FMVKDLSNPS RYLCKCPNEF TGDRQCQNYVM ASFYKHLGIE FMEAE
Research Area	Neuroscience?
Source	E.coli
Target Names	NRG1
Expression Region	122-186aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	7.5 kDa
Protein Length	Partial of Isoform 11
PubMed ID	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.