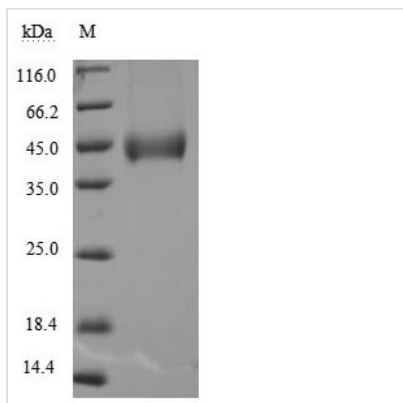


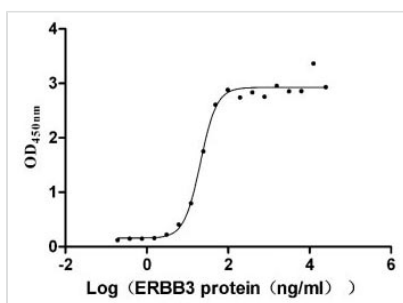


Recombinant Human Pro-neuregulin-1, membrane-bound isoform (NRG1), partial (Active)

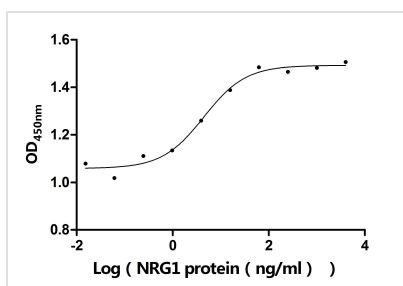
Product Code	CSB-MP016077HU1(F6)
Abbreviation	Recombinant Human NRG1 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q02297
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized NRG1 at 2 µg/ml can bind human ERBB3?CSB-MP007765HU?, the EC50 is 18.24-23.66 ng/ml. ②The ED50 as determined by the dose-dependent stimulation of the proliferation of MCF-7 cells is 2.626-7.598 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	SGKKPESAAGSQSPALPPRLKEMKSQESAAGSKLVLCETSSEYSSLRFKWF KNGNELNRKNKPQNIKIQQKPGKSELRINKASLADSGEYMCKVISKLGNDSASA NITIVESNEIITGMPASTEGAYVSSSEPIRISVSTEGANTSSSTSTTTGTSHLVK CAEKEKTFCVNGGECFMVKDLSNPSRYLCKCPNEFTGDRCQNYVMASFYKH LGIEFMEEELYQKR
Source	Mammalian cell
Target Names	NRG1
Expression Region	20-247aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	27.1 kDa
Protein Length	Partial of Isoform 6
Image	



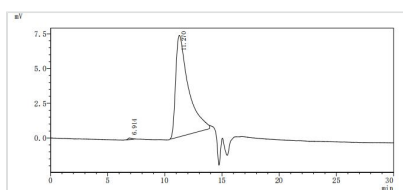
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized NRG1 at 2 µg/ml can bind human ERBB3(CSB-MP007765HU), the EC₅₀ is 18.24-23.66 ng/ml.



Activity
The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of MCF-7 cells is 2.626-7.598 ng/mL.



The purity of NRG1 was greater than 95% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug 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.