

Pro-neuregulin-1/NRG1 (Beta1) Recombinant Protein | NRG1 recombinant protein

Recombinant Human Pro-neuregulin-1/NRG1 (Beta1) Protein

CATALOG #
AAA283358

HOST
E coli

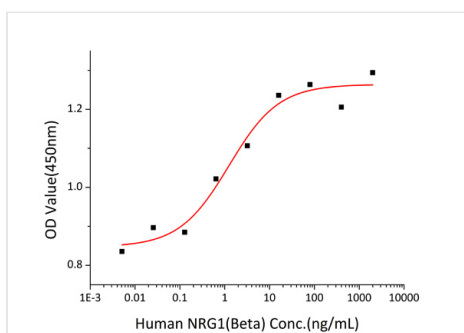
PRODUCT SYNONYMS

Pro-neuregulin-1/NRG1 (Beta1); Recombinant Human Pro-neuregulin-1/NRG1 (Beta1) Protein; GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; SMDF; MST131; MSTP131; NRG1-IT2; Pro-neuregulin-1; NRG1 (Beta1); NRG1 recombinant protein

PRODUCT SPECIFICATIONS

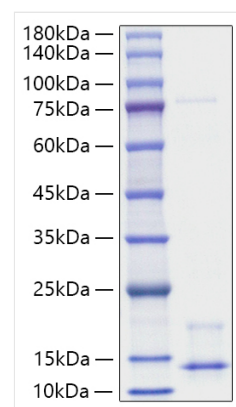
Host	E coli
Purity/Purification	>92% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	TSHLVKCAEK EKTFCVNGGE CFMVKDLSNP SRYLCKCQPG FTGARCTENV PMKVQNQEKA EELYQKRVLTI
Species	Human
Endotoxin	<1EU/ug
Bio-Activity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED ₅₀ for this effect is typically 0.62-2.48ng/mL, corresponding to a specific activity of $4.03 \times 10^5 \sim 1.61 \times 10^6$ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Human Pro-neuregulin-1/NRG1 (Beta1) stimulates serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED₅₀ for this effect is typically 0.62-2.48 ng/mL, corresponding to a specific activity of $4.03 \times 10^5 \sim 1.61 \times 10^6$ units/mg.



SDS-PAGE

Recombinant Human Pro-neuregulin-1/NRG1?Beta1? Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15 kDa.

ADDITIONAL INFORMATION

Related Product Information for NRG1 recombinant protein	neuregulin-1 (heregulin-1, NRG1) is a member of neuregulin family, which is comprised of four genes that encode a large number of secreted or membrane-bound isoforms. All family members share an EGF-like domain that interacts with the ErbB family of tyrosine kinase receptors. NRG1 isoforms can be classified into type I, type II and type III isoforms. NRG1 directs 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. NRG proteins show distinct spatial and temporal expression patterns and play important roles during development of both the nervous system and the heart.
Product Categories/Family for NRG1 recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	236461509
NCBI GeneID	3084
NCBI Accession #	NP_001153467.1
NCBI GenBank Nucleotide #	NM_001159995.1
UniProt Accession #	Q02297; O14667; P98202; Q02298; Q02299; Q07110; Q07111; A5YAK4; A5YAK5; A8K1L2; B7Z4Z3; E9PHH4
UniProt Protein Name	Pro-neuregulin-1, membrane-bound isoform
UniProt Gene Name	NRG1
UniProt Synonym Gene Names	GGF; HGL; HRGA; NDF; SMDF; Pro-NRG1; ARIA; HRG
UniProt Entry Name	NRG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nrg1-recombinant-protein-e-coli/283358>