

Neuregulin-1/Heregulin-b2 Active Protein | NRG1 active protein

Recombinant Human Neuregulin-1/Heregulin-b2

CATALOG #
AAA38192

HOST
E Coli

PRODUCT SYNONYMS

Neuregulin-1/Heregulin-b2; Recombinant Human Neuregulin-1/Heregulin-b2; NRG1 Human; Heregulin-B2 Human Recombinant; Neuregulin-1; NRG1; GGF; HGL; HRGA; NDF; SMDF; HRG; ARIA; GGF2; HRG1; NRG1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2µm filtered solution in PBS, pH 7.4.
Sequence	SHLVKCAEKE KTFVCVNGGEC FMVKDLSNPS RYLCKCPNEF TGDRCQNYVM ASFYKAEELY Q
Sequence Length	607
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using serum free human MCF-7 cells is less than 50ng/ml, corresponding to a specific activity of $> 2.0 \times 10^4$ IU/mg.
Solubility	It is recommended to reconstitute the lyophilized NRG1 in sterile 18M Omega -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity measured by its ability to stimulate the proliferation of human MCF-7 cells grown under serum-free conditions corresponding to a specific activity of 1.2x10 ⁴ Units/mg.
Preparation and Storage	Lyophilized NRG1 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Heregulin should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for NRG1 active protein	Description: Recombinant Human Neuregulin-1 beta 2 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 61 amino acids and having a total molecular mass of 7.0kDa. NRG-1 is purified by proprietary chromatographic techniques.
Product Categories/Family for NRG1 active protein	Cytokines and Growth Factors ; Neurotrophins ; Neuregulin

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
NCBI Official Full Name	pro-neuregulin-1, membrane-bound isoform isoform HRG-beta1c
NCBI Official Synonym Full Names	neuregulin 1

NCBI Official Symbol	NRG1
NCBI Official Synonym Symbols	GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; SMDF; MST131; MSTP131; NRG1-IT2
NCBI Protein Information	pro-neuregulin-1, membrane-bound isoform; glial growth factor; heregulin, alpha (45kD, ERBB2 p185-activator); neu differentiation factor; pro-NRG1; sensory and motor neuron derived factor
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-nrg1-active-protein/neuregulin-1-heregulin-b2/38192>