

Active GMP Recombinant Human NRG1 protein

Cat. No. NRG1-140HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active GMP Recombinant Human NRG1 protein was expressed in E. coli.
Species	Human
Source	E. coli
Form	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4.
Bio-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 5 ng/mL, corresponding to a specific activity of $> 2.0 \times 10^5$ U/mg.
Molecular Mass	Approximately 7.0 kDa, a single non-glycosylated polypeptide chain containing 61 amino acids.
AASequence	SHLVKCAEKE KTFCVNGGEC FMVKDLSNPS RYLCKCPNEF TGDRQCQNYVM ASFYKAEELY Q
Endotoxin	Less than 0.01 EU/µg of rHuNRG1-β2 GMP as determined by LAL method.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after

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reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name [NRG1 neuregulin 1 \[Homo sapiens \]](#)

Official Symbol [NRG1](#)

Synonyms NRG1; neuregulin 1; HGL; pro-neuregulin-1, membrane-bound isoform; GGF; HRG; NDF; MSTP131; pro-NRG1; glial growth factor; neu differentiation factor; neuregulin 1 type IV beta 3; neuregulin 1 type IV beta 1a; sensory and motor neuron derived factor; heregulin, alpha (45kD, ERBB2 p185-activator); ARIA; GGF2; HRG1; HRGA; SMDF; MST131;

Gene ID [3084](#)

mRNA Refseq [NM_001159995](#)

Protein Refseq [NP_001153467](#)

MIM [142445](#)

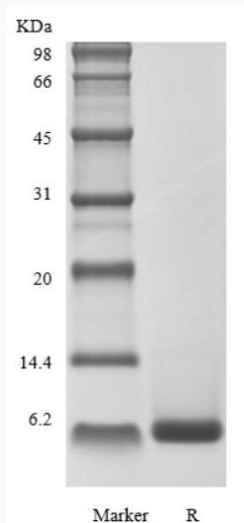
UniProt ID [Q02297](#)

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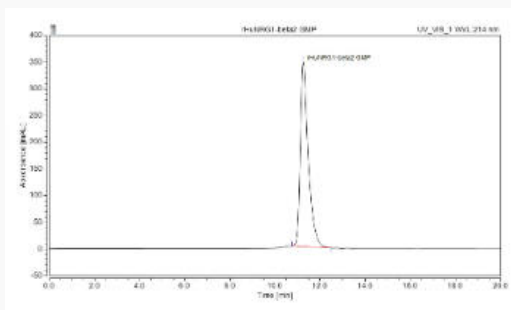
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SDS-PAGE



HPLC



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