

Recombinant Human NRG1 protein(Ser20-Lys241), hFc-tagged

Cat. No. NRG1-10H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRG1 isoform alpha (Q02297-1)(Ser 20-Lys 241) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	20-241 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to biotinylated Human ErbB4-Fc in functional Elisa. 2. Measured by its ability to biotinylated Rhesus ErbB3-His in functional Elisa. 3. Measured by its ability to biotinylated Rhesus ErbB3 in functional Elisa.
Molecular Mass	The recombinant human NRG1/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 463 amino acids and has a calculated molecular mass of 51 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh NRG1/Fc monomer is approximately 60 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 87 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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