Active Recombinant Human NRG1 protein, Fc-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human NRG1 protein(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 aa
Form	Lyophilized from sterile PBS, pH 7.4.
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.
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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	aliquot the protein into smaller quantities 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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