

## Active Recombinant Human NRG1 protein, Fc-tagged

Cat. No. NRG1-0236H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NRG1 protein(Q02297-1)(Ser177-Lys241), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ser177-Lys241
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its ability to biotinylated Human ErbB4-Fc in functional Elisa.2. Measured by its ability to biotinylated Rhesus ErbB3 in functional Elisa.
<b>Molecular Mass</b>	The recombinant human NRG1(177-241)/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 326 amino acids and has a calculated molecular mass of 35.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 38 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 97 % 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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