

Active Recombinant Human NRG1 protein, Fc-tagged

Cat. No. NRG1-0537H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRG1 protein(Ser2-Lys246), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	2-246 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ErbB3, His Tag at 2 µg/mL (100 µL/well) can bind Human NRG1 Beta 1, Fc Tag with a linear range of 0.5-8 ng/mL. Immobilized Human ErbB4, His Tag at 2 µg/mL (100 µL/well) can bind Human NRG1 Beta 1, Fc Tag with a linear range of 0.5-8 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus.The protein has a calculated MW of 53.2 kDa. The protein migrates as 65-80 kDa and 90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser2-Lys246
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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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