Active Recombinant Human NRG1 protein, hFc-tagged, Biotinylated, Primary Amine Labeling

Cat. No. NRG1-7131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Active Recombinant Human NRG1 protein(Primary Amine Labeling)(Q02297-6)(Ser2-Lys246) is expressed from HEK293 with hFc (IgG1) tag at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	2-246 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human Her4, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human NRG1 Beta 1, hFc Tag with the EC50 of 0.65μg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 54.00 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

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Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

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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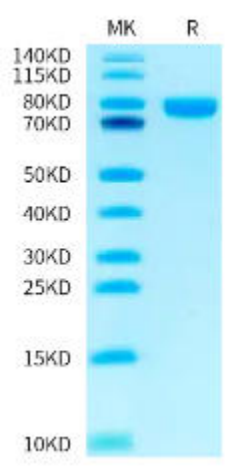
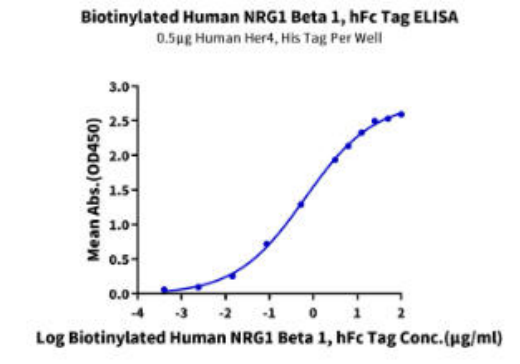
Bis-Tris PAGE	
ELISA Data	

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