Active Recombinant Human NRG1 Protein, His-tagged

Cat. No. NRG1-679H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRG1 (Accession # NP_039253) Met1-Glu296, Leu117-Glu296 & Ala162-Glu296, fused with a C-terminal 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	Met1-Glu296, Leu117-Glu296 & Ala162-Glu296
Predicted N Terminal	Met1, Leu117 & Ala162
Form	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. Karey, K.P. et al. (1988) Cancer Research 48:4083.The ED50 for this effect is typically 1 - 5 ng/mL.
Molecular Mass	Recombinant Human NRG1, His-tagged has a calculated MW of 33 kDa. In SDS-PAGE migrates as 25-45 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3

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	months (-70ºC).

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
Chromosome Location	8p21-p12

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