

# GMP Recombinant Human NRG1 protein

**Cat. No.** NRG1-32HG    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Human NRG1 protein(Q02297)(Ser20-Arg242) was expressed in CHO in an animal component free process under cGMP guidelines.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Ser20-Arg242
<b>Tag</b>	Non
<b>Form</b>	Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
<b>Bio-activity</b>	Measured in a cell proliferation assay using MCF-7 breast cancer cell line. The ED50 for this effect is 1-8 ng/mL.
<b>Molecular Mass</b>	24.2 kDa
<b>Endotoxin</b>	≤10 EU/mg by the LAL method
<b>Purity</b>	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
<b>Storage</b>	24 months at -20°C to -80°C in lyophilized state; 7-10 days at 2°C to 8°C under sterile

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conditions after reconstitution; 6 months at -20°C to -80°C under sterile conditions after reconstitution.

**Reconstitution** It is recommended to redissolve in sterile deionized water.

**GeneID** 3084

## 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;

**mRNA Refseq** NM\_001159995

**Protein Refseq** NP\_001153467

**MIM** 142445

**UniProt ID** Q02297

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