

Active Recombinant Mouse Nrg1 Protein, His-tagged

Cat. No. NRG1-23M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse RG2 Protein (Ser20-Lys246) with a C-terminal 6-His tag was expressed in mouse myeloma cell line.
Species	Mouse
Source	Mammalian Cells
ProteinLength	20-246 a.a.
Description	Broad expression in whole brain E14.5 (RPKM 2.0), CNS E14 (RPKM 1.9) and 17 other tissues.
Form	Lyophilized
Bio-activity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED50 for this effect is 0.9-5.4 ng/mL.
Molecular Mass	26 kDa
N-terminal Sequence Analysis	Ser20
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by

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Coomassie® Blue Staining.

Storage

12 months from date of receipt, ≤ -20 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Preservative

Reconstitute at 500 µg/mL in PBS.

GENE INFORMATION

Gene Name

[Nrg1 neuregulin 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Nrg1](#)

Synonyms

ARIA; GGF2; GGFglial growth factor; Heregulin-1; HGL; HGLneu differentiation factor; HRG; HRG1; HRG1-alpha; HRG1-beta 1; HRGAneuregulin 1 type IV beta 1a; MST131; MSTP131; NDFheregulin, alpha (45kD, ERBB2 p185-activator); neuregulin 1 type IV beta 3; neuregulin 1; Neuregulin1; Neuregulin-1; NRG1; pro-neuregulin-1, membrane-bound isoform; pro-NRG1; sensory and motor neuron derived factor; SMDF

Gene ID

[211323](#)

mRNA Refseq

[NM_178591](#)

Protein Refseq

[NP_848706](#)

UniProt ID

[Q6DR99](#)

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