

Active Recombinant Mouse Nrtn Protein (Cys101-Val195), N-His tagged, Animal-free, Carrier-free

Cat. No. Nrtn-72M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nrtn Protein (Cys101-Val195) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Cys101-Val195
Description	Neurturin is a 22 kDa cytokine with 195 amino acid residues. Neurturin belongs to the same neurotrophic factor family as GDNF. Binding to GFR α -2 (GPI-linked receptor termed GDNF family receptor α -2), neurturin activates Ret receptor tyrosine kinase and MAPK pathway. It involves in neuron survival.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is < 50 ng/mL.
Molecular Mass	The protein has a calculated MW of 12.33 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/ μ g of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

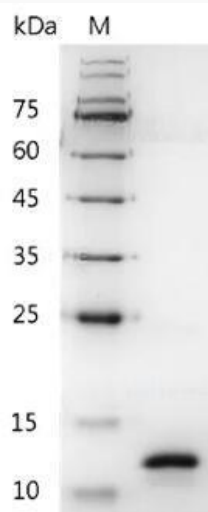
Gene Name	Nrtn neurturin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Nrtn
Synonyms	NRTN; neurturin; NTN;
Gene ID	18188
mRNA Refseq	NM_008738
Protein Refseq	NP_032764
UniProt ID	P97463

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**SDS-PAGE analysis
of recombinant
mouse Neurturin.**



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