

Active Recombinant Human NRTN Protein (Ala96-Val197), C-His tagged, Animal-free, Carrier-free

Cat. No. NRTN-236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRTN Protein (Ala96-Val197) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala96-Val197
Description	Human Neurturin is a 22 kDa cytokine with 197 amino acid residues. Neurturin belongs to the same TGF-beta (transforming Growth Factors β) family. When Neurturin binds to GFR α -2 (GPI-linked receptor termed GDNF family receptor α -2), this complex activates Ret receptor tyrosine kinase and its downstream signaling pathway.
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 12.62 kDa. The protein migrates as 13 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 [Homo sapiens (human)]
Official Symbol	NRTN
Synonyms	NRTN; neurturin; NTN;
Gene ID	4902
mRNA Refseq	NM_004558
Protein Refseq	NP_004549
MIM	602018

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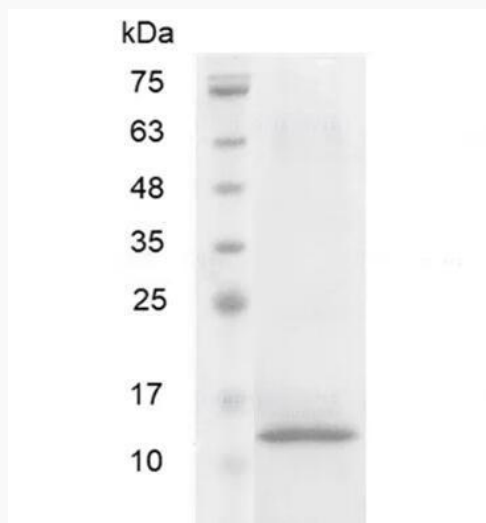
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UniProt ID

Q99748

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



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