

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NRTN Protein (Ala96-Val197) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala96-Val197
<b>Description</b>	Human Neurturin is a 22 kDa cytokine with 197 amino acid residues. Neurturin belongs to the same TGF-beta (transforming Growth Factors $\beta$ ) family. When Neurturin binds to GFR $\alpha$ -2 (GPI-linked receptor termed GDNF family receptor $\alpha$ -2), this complex activates Ret receptor tyrosine kinase and its downstream signaling pathway.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is < 50 ng/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 12.62 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).
<b>Endotoxin</b>	< 0.1 EU/ $\mu$ g of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	NRTN neurturin [ Homo sapiens (human) ]
<b>Official Symbol</b>	NRTN
<b>Synonyms</b>	NRTN; neurturin; NTN;
<b>Gene ID</b>	4902
<b>mRNA Refseq</b>	NM_004558
<b>Protein Refseq</b>	NP_004549
<b>MIM</b>	602018

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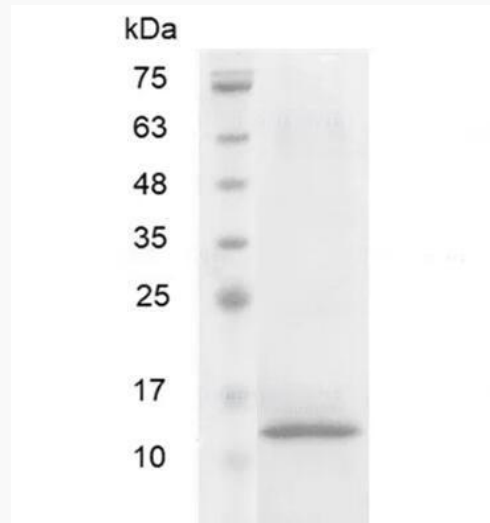
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UniProt ID

Q99748

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



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