

Active Recombinant Human NRTN Protein

Cat. No. NRTN-750H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRTN was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein signals through the RET receptor tyrosine kinase and a GPI-linked coreceptor, and promotes survival of neuronal populations. A neurturin mutation has been described in a family with Hirschsprung Disease.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Human Neurturin at a concentration of 100 ng/ml will support the survival of 65% of newborn rat sympathetic neurons.
Molecular Mass	11.8 kDa
AA Sequence	ARLGARPCGLRELEVRVSELGLGYASDETFLFRYCAGACEAAARVYDLGLRRLRQR RRLRRERVRAQPCCRPTAYEDEVSFLDAHSRYHTVHELARSACACV
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
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Concentration	Resuspend the protein in the desired concentration in proper buffer
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GENE INFORMATION

Gene Name	NRTN neurturin [Homo sapiens]
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Official Symbol	NRTN
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Synonyms	NRTN; neurturin; NTN;
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Gene ID	4902
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mRNA Refseq	NM_004558
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Protein Refseq	NP_004549
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MIM	602018
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UniProt ID	Q99748
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