

Recombinant Human Neurturin

Cat. No. NRTN-953H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Neurturin produced in <i>E. Coli</i> is a homodimeric 23.6 kDa protein consisting of two identical subunits each containing 103 amino acid residues.
Species	Human
Source	E.coli
Description	Human Neurturin (NTN) and human GDNF comprise a family of TGF-beta related neurotrophic factor which have trophic influences on a variety of neuronal populations. Neurturin promotes the survivability of certain sympathetic and sensory neurons through interaction with distinct set of GDNF-like receptors.
Purity	98 % (SDS-PAGE, HPLC).
Endotoxin Level	< 0.1 ng per ug of Neurturin.
Stabilizer	None.
Formulation	Lyophilized.
Biological Activity	Human Neurturin is fully biologically active when compared to standards. Human Neurturin at a concentration of 50-100 ng/ml will support the survival of 65% of newborn rat sympathetic neurons.
Reconstitution	The lyophilized human Neurturin can be reconstituted in water to a concentration of 1

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mg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use. For most in vitro applications, Neurturin exerts its biological activity in the concentration of 0.1 to 10 ng/ml.

Stability

The lyophilized protein, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted Neurturin should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

Pathways

Axon guidance

GENE INFORMATION

Gene Name

[NRTN neurturin \[Homo sapiens \]](#)

Synonyms

neurturin; NTN; NRTN

Gene ID

[4902](#)

mRNA Refseq

[NM_004558](#)

Protein Refseq

[NP_004549](#)

MIM

[602018](#)

UniProt ID

[Q99748](#)

**Chromosome
Location**

19p13.3

Function

growth factor activity

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