

Active Recombinant Human NRTN Protein

Cat. No. NRTN-090H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human Neurturin protein consists of 102 amino acids (96-197) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	96-197 a.a.
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.
Bio-activity	Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED50 for this effect is typically 20-80 ng/mL.
Molecular Mass	23.6 kDa
Product-Related Proteins	96-197
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

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

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