

Active GMP Recombinant Mouse Nrtn Protein, His-Tagged

Cat. No. Nrtn-01M Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Nrtn Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
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. Homozygous knockout mice for this gene exhibit defects in the development of the retina and enteric nervous system, and reduced cholinergic innervation of the heart and lacrimal glands.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is <50 ng/mL.
AA Sequence	PGARPCGLRELEVRVSELGLGYTSDETVLFYRYCAGACEAAIRIYDLGLRRLRQRRRV RRERARAHPCRPTAYEDEVSFLDVHSRYHTLQELSARECACV with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	Nrtn neurturin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Nrtn
Synonyms	NTN
Gene ID	18188
mRNA Refseq	NM_008738.3
Protein Refseq	NP_032764.1
UniProt ID	P97463

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