

ARG70459

Mouse Neurturin recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg

Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Mouse NRTN recombinant protein
Tested Application	SDS-PAGE
Target Name	NRTN
Species	Mouse
A.A. Sequence	Cys101 - Val195
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in SH-SY5Y cells. The ED50 for this effect is < 50 ng/mL.
Alternate Names	NRTN; Neurturin; NTN; Prepro-Neurturin

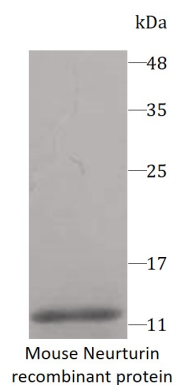
Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NRTN
Gene Full Name	Neurturin
Background	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.
Function	Supports the survival of sympathetic neurons in culture. May regulate the development and maintenance of the CNS. Might control the size of non-neuronal cell population such as haemopoietic cells.
PTM	Disulfide bond

Images



ARG70459 Mouse Neurturin recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70459 Mouse Neurturin recombinant protein (Active) (His-tagged, N-ter)