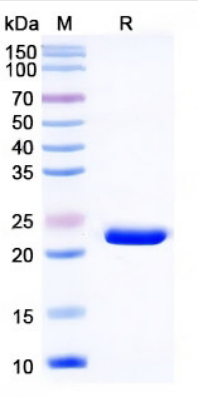
# NRTN Mouse Recombinant Protein

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | NRTN, Recombinant Protein |
| **Full Product Name** | Recombinant Mouse NRTN Protein, N-His-SUMO |
| **Product Gene Name** | NRTN recombinant protein |
| **Product Synonym Names** | NRTN; Neurturin |
| **Host** | E coli |
| **Form/Format** | Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol. |
| **Purity/Purification** | >90% as determined by SDS-PAGE |
| **Preparation and Storage** | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 degree C for twelve months from the date of receipt. |
| **Molecular Weight** | 22,219 Da |
| **Sequence Positions** | Arg99-Val195 |
| **3D Structure** | ModBase 3D Structure for P97463 |
| **Species** | Mouse |
| **Reconstitution** | Reconstitute in sterile water for a stock solution. |
| **Product Categories/Family for NRTN recombinant protein** | Recombinant Proteins |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for NRTN recombinant protein** | SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen |
| **Related Product Information for NRTN recombinant protein** | MBS1579078 is a recombinant protein targeting NRTN. Also known as Recombinant Mouse NRTN Protein, N-His-SUMO. Host: E coli. |
| **Other Notes** | Small volumes of NRTN recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**SDS-Page of NRTN recombinant protein**
SDS-PAGE for Recombinant Mouse NRTN protein

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRTN. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 6679136 |
| **NCBI GeneID** | 18188 |
| **NCBI Accession #** | NP_032764.1 |
| **UniProt Primary Accession #** | P97463 |
| **UniProt Related Accession #** | P97463 |
| **GenBank Nucleotide #** | NM_008738.2 |
| **NCBI Official Full Name** | neurturin |
| **NCBI Official Synonym Full Names** | neurturin |
| **NCBI Official Symbol** | Nrtn |
| **NCBI Official Synonym Symbols** | NTN |
| **UniProt Protein Name** | Neurturin |
| **Protein Family** | Neurturin |
| **UniProt Gene Name** | Nrtn |
| **UniProt Entry Name** | NRTN_MOUSE |
| **NCBI Protein Information** | neurturin |
| **UniProt Comments for NRTN** | NRTN: 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. Genetic variations in NRTN may contribute to Hirschsprung disease, in association with mutations of RET gene, and possibly mutations in other loci. Hirschsprung disease is a disorder of neural crest development is characterized by the absence of intramural ganglion cells in the hindgut, often resulting in intestinal obstruction. Belongs to the TGF-beta family. GDNF subfamily.<br><br>Protein type: Secreted, signal peptide; Secreted<br><br>Cellular Component: axon; extracellular region<br><br>Molecular Function: growth factor activity<br><br>Biological Process: nerve development; neural crest cell migration; neurite development; transmembrane receptor protein tyrosine kinase signaling pathway<br><br>Disease: Hirschsprung Disease, Susceptibility To, 1 |
| **Research Articles on NRTN** | **1.** Our findings support the hypothesis that NTN could modulate the allergic inflammation in different mouse asthma models. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |

| | |
|---|---|
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/nrtn/1579078