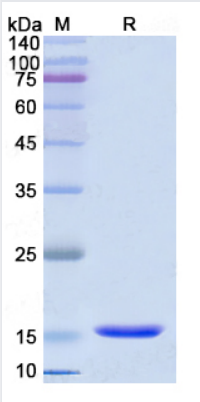
NTF4 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	NTF4, Recombinant Protein
Full Product Name	Recombinant Human NTF4, N-His
Product Gene Name	NTF4 recombinant protein
Product Synonym Names	Neurotrophin-5; Neurotrophin-4; NT-4; NTF5; NTF4; Neutrophic factor 4; NT-5
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 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	22,427 Da
Sequence Positions	Gly81-Ala210
Chromosome Location	Chromosome: 19; NC_000019.9 (49564397..49567124, complement). Location: 19q13.3
OMIM	162662
3D Structure	ModBase 3D Structure for P34130
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for NTF4 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for NTF4 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for NTF4 recombinant protein	MBS1573884 is a recombinant protein targeting NTF4. Also known as Recombinant Human NTF4, N-His. Host: E coli.
Other Notes	Small volumes of NTF4 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 NTF4 recombinant protein
SDS PAGE for recombinant Human NTF4 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NTF4. It may not necessarily be applicable to this product.

NCBI GI #	5453808
NCBI GeneID	4909
NCBI Accession #	NP_006170.1
UniProt Primary Accession #	P34130
UniProt Secondary Accession #	Q6FH56
UniProt Related Accession #	P34130; AAB20549
GenBank Nucleotide #	NM_006179.4
NCBI Official Full Name	neurotrophin-4 preproprotein
NCBI Official Synonym Full Names	neurotrophin 4
NCBI Official Symbol	NTF4
NCBI Official Synonym Symbols	NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC1O; NT-4/5
UniProt Protein Name	Neurotrophin-4
UniProt Synonym Protein Names	Neurotrophin-5; NT-5; Neutrophic factor 4
Protein Family	Mitogen-activated protein kinase
UniProt Gene Name	NTF4
UniProt Synonym Gene Names	NTF5; NT-4; NT-5
UniProt Entry Name	NTF4_HUMAN
NCBI Protein Information	neurotrophin-4; neurotrophin-5; neutrophic factor 4; neurotrophic factor 4; neurotrophic factor 5; neurotrophin 5 (neurotrophin 4/5)
NCBI Summary for NTF4	This gene is a member of a family of neurotrophic factors, neurotrophins, that control survival and differentiation of mammalian neurons. The expression of this gene is ubiquitous and less influenced by environmental signals. While knock-outs of other neurotrophins including nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 prove lethal during early postnatal development, NTF5-deficient mice only show minor cellular deficits and develop normally to adulthood. [provided by RefSeq, Jul 2008]

UniProt Comments for NTF4	NT-4/5: Target-derived survival factor for peripheral sensory sympathetic neurons. Defects in NTF4 may be associated with susceptibility to primary open angle glaucoma type 1O (GLC1O). A form of primary open angle glaucoma (POAG). POAG is characterized by a specific pattern of optic nerve and visual field defects. The angle of the anterior chamber of the eye is open, and usually the intraocular pressure is increased. The disease is asymptomatic until the late stages, by which time significant and irreversible optic nerve damage has already taken place. Belongs to the NGF-beta family. Protein type: Cytokine; Secreted; Secreted, signal peptide; Cell development/differentiation Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: endoplasmic reticulum lumen; cytoplasmic membrane-bound vesicle; extracellular region Molecular Function: neurotrophin p75 receptor binding; growth factor activity Biological Process: epidermis development; mechanoreceptor differentiation; cell-cell signaling; long-term memory; adult locomotory behavior; regulation of neuron differentiation; sensory organ boundary specification; ganglion mother cell fate determination; negative regulation of neuron apoptosis; neurite morphogenesis; transmembrane receptor protein tyrosine kinase signaling pathway Disease: Glaucoma 1, Open Angle, O
Research Articles on NTF4	**1.** The NTF4 variants p.Gly157Ala and p.Ala182Val have been shown to be functional mutations, occurring in 2 of a total of 720 Chinese primary open-angle glaucoma patients.
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. 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/ntf4/1573884