

Neurotrophin 3 Active Protein | NTF3 active protein

Neurotrophin 3 Protein, Human, Recombinant

CATALOG #
AAA257863

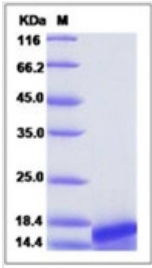
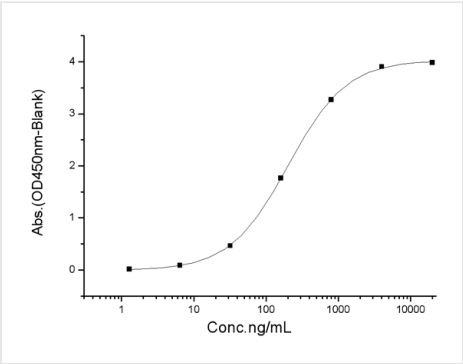
HOST
E Coli

PRODUCT SYNONYMS

Neurotrophin 3; Neurotrophin 3 Protein; Human; Recombinant; Human NTF3/Neurotrophin 3 Protein; HDNF Protein; NGF-2 Protein; NGF2 Protein; NT-3 Protein; NT3 Protein; neurotrophin 3; NTF3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH5.2. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Tyr139-Thr 257
Species	Human
Predicted N Terminal	Met
Tag	Native
Protein Construction	A DNA sequence encoding the human NT3 (P20783-1)(Tyr139-Thr257) was expressed and purified.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	Measured by its binding ability in a functional ELISA. Immobilized human NT3 at 2ug/ml (100uL/well) can bind human TrkB-Fch. The EC50 of human TrkB-Fch is 120-350ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized human NT3 at 2 ug/ml (100 ul/well) can bind human TrkB-Fch. The EC50 of human TrkB-Fch is 120-350 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for NTF3 active protein

Background: NTF3 (Neurotrophin 3) is a Protein Coding gene. The protein encoded by this gene is a member of the neurotrophin family, that controls the survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. NTF3 is a key mediator of neuronal development during the early neurogenic period. NTF3 is a novel target gene of POU3F2 and that the POU3F2/NTF3 pathway plays a role in the process of neuronal differentiation. NTF3 is capable of activating TrkB to induce anoikis resistance, and show that NTF3 is also a direct target of miR-200c. NTF3 is broadly expressed in the ovary, spleen, and other tissues. Diseases associated with NTF3 include Hypochondriasis and Demyelinating Disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156630995
NCBI GeneID	4908
NCBI Accession #	NP_001096124.1
NCBI GenBank Nucleotide #	NM_001102654.1
UniProt Accession #	P20783; Q6FH50; B7Z1T5
Molecular Weight	29,355 Da
NCBI Official Full Name	neurotrophin-3 isoform 1 preproprotein
NCBI Official Synonym Full Names	neurotrophin 3
NCBI Official Symbol	NTF3
NCBI Official Synonym Symbols	NT3; HDNF; NGF2; NGF-2
NCBI Protein Information	neurotrophin-3; NT-3; neurotrophic factor; nerve growth factor 2
UniProt Protein Name	Neurotrophin-3
UniProt Gene Name	NTF3
UniProt Synonym Gene Names	NT-3; NGF-2
UniProt Entry Name	NTF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.