

Recombinant Human/Mouse NTF3 Protein

Cat. No. NTF3-217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Mouse NTF3 Protein without tag was expressed in E. coli.
Species	Human/Mouse
Source	E.coli
Description	Neurotrophin-3 (NT-3) is an important member of the nerve growth factor (NGF) family of proteins. NT-3 promotes the growth, survival, and differentiation of neurons and synapses in the peripheral and central nervous systems. The receptor tyrosine kinase TrkC exclusively binds in high-affinity to NT-3. NT-3 also signals through the receptor tyrosine kinase TrkB, and through the low affinity nerve growth factor receptor (LNGFR).
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Dimer (Noncovalently linked), 13.8/27.5 kDa (120/240 aa)
AA Sequence	MYAEHKSHRGEYSVCDSESLWVTDKSSAIDIRGHQVTVLGEIKTGNSPVKQYFYET RCKEARPVKNGCRGIDDKHWNSQCKTSQTYVRALTSENNKLVGWRWIRIDTSCVC ALSRKIGRT
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	NTF3 neurotrophin 3 [Homo sapiens (human)]
Official Symbol	NTF3
Synonyms	NTF3; neurotrophin 3; neurotrophin-3; NGF2; NT-3; neurotrophic factor; nerve growth factor 2; NT3; HDNF; NGF-2; MGC129711;
Gene ID	4908
mRNA Refseq	NM_001102654

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Protein Refseq	NP_001096124
MIM	162660
UniProt ID	P20783

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