Recombinant Human Neurotrophin 3, His-tagged

Cat. No. NT3-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human neurotrophin 3 encoding the mature human NT-3 (Tyr^{129}-Thr^{257}) with 6 His tag on the N-Terminus was expressed in*E. Coli*. This protein was purified by Ni-NTA column. MW=16 KD.
Species	Human
Source	E.coli
Description	Neurotrophin-3 is a protein that in humans is encoded by the NTF3 gene. The protein encoded by this gene, NT-3 is a neurotrophic factor, in the NGF (Nerve Growth Factor)-family of neurotrophins. It is a protein growth factor which has activity on certain neurons of the peripheral and central nervous system; it helps to support the survival and differentiation of existing neurons, and encourages the growth and differentiation of new neurons and synapses.
Sequence	Mature human NT-3(Tyr^{129}- Thr^{257})YA EHKSHRGEYS VCDSESLWVT DKSSAIDIRG HQVTVLGEIK TGNSPVKQYF YETRCKEARP VKNGCRGIDD KHWNSQCKTS QTYVRALTSE NNKLVGWRWI RIDTSCVCAL SRKIGRT.
Purity	>95% in SDSgel.
Formulation	Lyophilized 100 μg human NT-3 in 50 μl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
Reconstitution	Add

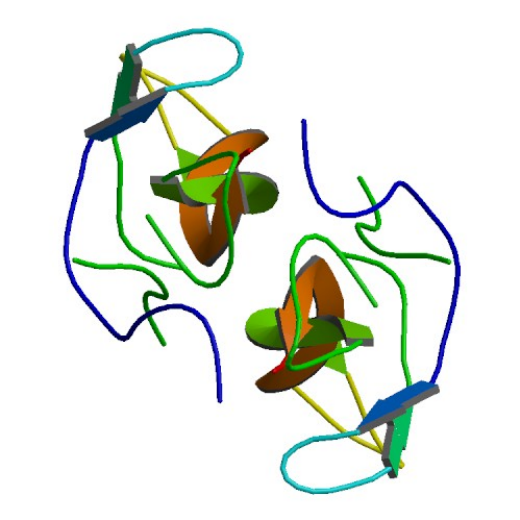
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	500μl deionized water or TBS to the vial to prepare a working stock solution at 200 μg/mL. Allow to set at least 30 minutes at 4℃, mix well.
Application	Cell biology, ELISA.
Storage	Store lyophilized protein at -20℃ to-70℃. Lyophilized protein is stable for up to 6 months from date of receipt at - 20℃ to -70℃. Upon reconstitution, this protein can be stored at -20℃ for up to a few weeks or at -70℃ in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	NTF3 neurotrophin 3 [Homo sapiens]
Synonyms	NT3; neurotrophin 3; HDNF; NGF2; NGF-2; MGC129711; NTF3; NT-3; Nerve growth factor 2; Neurotrophic factor
Gene ID	4908
mRNA Refseq	NM_001102654
Protein Refseq	NP_001096124
MIM	162660
UniProt ID	P20783
Chromosome Location	12p13

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Neurotrophin signaling pathway; MAPK signaling pathway
Function	growth factor activity; nerve growth factor binding; neurotrophin receptor binding
PDB rendering based on 1b8k.	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA