

## 32-12262: Human Neurotrophin-3

**Gene :** NTF3  
**Gene ID :** 4908  
**Uniprot ID :** P20783  
**Alternative Name :** Neurotrophin-3, Nerve growth factor 2, Neurotrophic factor

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Dimer (Noncovalently linked), 13.8/27.5 kDa (120/240 aa)

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).

### Product Info

**Amount :** 10 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
 Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MYAEHKSHRG EYSVCDESESL WVTDKSSAID IRGHQVTVLG EIKTGNSPVK QYFYETRCKE ARPVKNGCRG  
 IDDKHWNSQC KTSQTYVRAL TSENNKLVGW RWIRIDTSCV CALSRKIGRT

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

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°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

