

## 32-7068: Recombinant Human Neurotrophin-3/NT3

**Gene :** NTF3  
**Gene ID :** 4908  
**Uniprot ID :** P20783

### Description

Source: E.coli.  
MW :13.6kD.

Recombinant Human Neurotrophin-3 is produced by our E.coli expression system and the target gene encoding Tyr139-Thr257 is expressed. Neurotrophin-3 (NT-3) is a member of the NGF family of neurotrophic factors and is structurally related to beta-NGF, BDNF and NT-4. The NT3 cDNA encodes a 257 amino acid residue precursor protein with a signal peptide and a proprotein that are cleaved to yield the 119 amino acid residue mature NT3. The amino acid sequences of mature human, murine and rat NT-3 are identical. NT-3 selectively promotes the differentiation and survival of specific neuronal subpopulations in both the central as well as the peripheral nervous systems.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH 7.2.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** YAEHKSHRGEYSVCDSESLWVTDKSSAIDIRGHQVTVLGEIKTGNPQYFYETRCKEARPVKNGCRGIDDKH  
WNSQCKTSQTYVRALTSENNKLVGWRWIRIDTSCVCALSRKIGRT

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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