



Recombinant Human NT-3

Catalog #	EPT238
Expression Host	E.coli
DESCRIPTION	Recombinant Human Neurotrophin-3 is produced by our E.coli expression system and the target gene encoding Tyr139-Thr257 is expressed.
Accession	P20783
Synonyms	Neurotrophin-3; NT-3; HDNF; Nerve Growth Factor 2; NGF-2; Neurotrophic Factor; NTF3
Mol Mass	13.6 KDa
AP Mol Mass	14 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 250mM NaCl, pH 7.2.
RECONSTITUTION	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.





It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.

BACKGROUND

Neurotrophin-3 (NT-3) is a member of the NGF family of neurotrophic factors and is structurally related to β -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

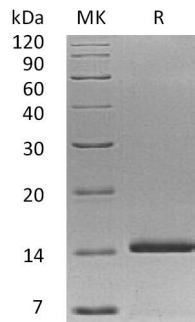




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and survival of specific neuronal subpopulations in both the central as well as the peripheral nervous systems.

SDS-PAGE



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