Recombinant Human NT-3

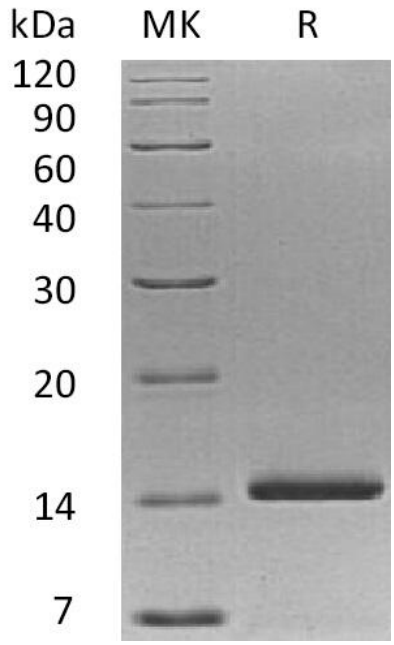
Catalog No.: RP0046

Basic Information

Information	
Source	*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
Known As	Neurotrophin-3; NT-3; HDNF; Nerve Growth Factor 2; NGF-2; Neurotrophic Factor; NTF3
Predicted Mol Mass	13.6 KDa
Apparent Mol Mass	14 KDa, reducing conditions
Properties	
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 250mM NaCl, pH 7.2.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Endotoxin	< 0.01 EU/μg as determined by LAL test.
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.

Experimental Data

Purity-SDS-PAGE



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

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