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Datasheet for ABIN1097245

Neurotrophin 3 Protein (NTF3) (AA 139-257)

Overview

Quantity:	50 µg
Target:	Neurotrophin 3 (NTF3)
Protein Characteristics:	AA 139-257
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Neurotrophin-3/NT3
Sequence:	YAEHKSHRGE YSVCDSESLW VTDKSSAIDI RGHQVTVLGE IKTGNSPVKQ YFYETRCKEA RPVKNGCGRI DDKHWN SQCK TSQTYVRALT SENNKLVGWR WIRIDTSCVC ALSRKIGRT
Characteristics:	Recombinant Human Neurotrophin-3/NT3
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Neurotrophin 3 (NTF3)
Alternative Name:	Neurotrophin-3/NT3 (NTF3 Products)
Background:	Recombinant Human Neurotrophin-3/NT3 produced in E. coli is a single non-glycosylated

Target Details

polypeptide chain containing 119 AAs with a molecular mass of 13.6 kDa.

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 AA residue precursor protein with a signal peptide and a proprotein that are cleaved to yield the 119 AA residue mature NT3. The AA 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.

Molecular Weight: 13.6 kDa

UniProt: [P20783](#)

Pathways: [RTK Signaling, Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μ g/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 250 mM NaCl, pH 7.2.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
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.