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Datasheet for ABIN7318822

Neurotrophin 3 Protein (NTF3)

Overview

Quantity:	50 µg
Target:	Neurotrophin 3 (NTF3)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human Neurotrophin-3/NTF3 Protein (Active)
Sequence:	Tyr139-Thr 257
Characteristics:	Recombinant Human Neurotrophin-3 is produced by our E.coli expression system and the target gene encoding Tyr139-Thr257 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human NT-3 at 10ug/ml(100 µl/well) can bind Human TrkB-His(Cat: PKSH033579). The ED50 of Human NT-3 is 3.777 ug/ml .

Target Details

Target:	Neurotrophin 3 (NTF3)
Alternative Name:	Neurotrophin-3/NTF3 (NTF3 Products)

Target Details

Background:	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. Synonym: Neurotrophin-3, NT-3, HDNF, Nerve Growth Factor 2, NGF-2, Neurotrophic Factor, NTF3
Molecular Weight:	13.6 kDa
UniProt:	P20783
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 250 mM NaCl, pH 7.2.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.