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Datasheet for ABIN6700311

Neurotrophin 4 Protein (NTF4)

Overview

Quantity:	100 µg
Target:	Neurotrophin 4 (NTF4)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human Neurotrophin-4 Recombinant Protein
Purification:	Neurotrophin-4 purity was determined to be greater than 97% as determined by HPLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	97,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	Proliferation of a neuroblastoma cell line stably expressing TrkB (BR6) ED50 ≤ 20 ng/mL ($\geq 5.0 \times 10^4$ units/mg).

Target Details

Target:	Neurotrophin 4 (NTF4)
Alternative Name:	NTF4 (NTF4 Products)
Background:	Synonyms: Neurotrophin 5 (NT-5), Neurotrophic Factor 4 Background: Neurotrophin-4 (NT-4) is an important member of the nerve growth factor (NGF) family of proteins along with NT-3, BDNF and NGF. Neurotrophins act in a paracrine and/or

Target Details

autocrine manner to control neuronal numbers and dendrite outgrowth. These functions are thought to be communicated by TrkB, a receptor tyrosine kinase that NT-4 shares with BDNF. Recombinant human NT-4 is a non-glycosylated, non-covalently linked homodimer, containing two 131 amino acid chains, with a total molecular weight of 28.1 kDa.

UniProt: [P34130](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Other: User Optimized
Application_Note: Neurotrophin-4 Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Neurotrophin-4 in immunological assays.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 100 µL

Buffer: Buffer: 0.1 % Trifluoroacetic acid
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months