

Datasheet for ABIN6700290

NGFB Protein

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Overview

Quantity:	5 µg
Target:	NGFB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Human Nerve Growth Factor beta Recombinant Protein (Animal Free)
Purification:	Nerve Growth Factor is produced with no animal-derived raw products, animal free equipment and animal free protocols. 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.
Grade:	Animal-Free
Biological Activity Comment:	The activity is determined by the ability to stimulate proliferation of TF-1 cells and is typically less than 1 ng/mL.

Target Details

Target:	NGFB
Alternative Name:	NGF beta (NGFB Products)
Background:	Synonyms: β-NGF

Target Details

Background: Nerve Growth Factor (NGF- β) is a neurotrophic factor related to BDNF, NT-3 and NT-4. NGF- β acts through its receptor β -NGFR, and is involved in the development and maintenance of the sensory and sympathetic nervous systems. NGF- β is also involved in the growth, differentiation and survival of B lymphocytes. Human, mouse and rat proteins show cross-reactivity. Recombinant human NGF- β is a non-covalently linked homodimer, containing two 121 amino acid chains, with a total molecular weight of 27.2 kDa.

UniProt:	P01138
Pathways:	NF-kappaB Signaling , RTK Signaling , Regulation of Cell Size

Application Details

Application Notes:	Other: User Optimized Application_Note: Nerve Growth Factor beta Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Nerve Growth Factor beta in immunological assays.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 5 μ L (5-50 μ L)
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