

Datasheet for ABIN7597296

Nerve Growth Factor Protein (NGF) (AA 19-241) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	Nerve Growth Factor (NGF)
Protein Characteristics:	AA 19-241
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Nerve Growth Factor protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human NGF(19-241) Protein with C-terminal human Fc tag
Sequence:	NGF(Glu19-Ala241) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Nerve Growth Factor (NGF)
Alternative Name:	NGF (NGF Products)
Background:	NGFB, HSAN5, Beta-NGF This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the

Target Details

differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 51.1 kDa after removal of the signal peptide.

UniProt: [P01138](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months