

## Product datasheet for **TP321463**

### NGF (NM\_002506) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nerve growth factor (beta polypeptide) (NGF), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221463 representing NM_002506 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSMLFYTLITAFLLIGIQAEPHSESNVPAGHTIPQVHWTKLQHSLDTALRRARSAPAAAIAARVAGQTRNI TVDPRLFKKRRLRSRVLSTQPPREAADTQDLDFEVGGAAPFNRTHRSKRSSHPIFHRGEFSVCDSVS VWVGDKTTATDIKGKEVMVLGEVNINNSVFKQYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKA LTMDGKQAAWRFIRIDTACVCVLSRKAVRRA  <b>SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	24.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002497</a>
Locus ID:	4803
UniProt ID:	<a href="#">P01138</a>



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RefSeq Size: 1052

Cytogenetics: 1p13.2

RefSeq ORF: 723

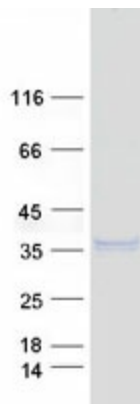
Synonyms: Beta-NGF; HSAN5; NGFB

**Summary:** 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 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]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Apoptosis, MAPK signaling pathway, Neurotrophin signaling pathway

### Product images:



Coomassie blue staining of purified NGF protein (Cat# TP321463). The protein was produced from HEK293T cells transfected with NGF cDNA clone (Cat# [RC221463]) using MegaTran 2.0 (Cat# [TT210002]).