

Product datasheet for **TP723425**

NGF (NM_002506) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human nerve growth factor (beta polypeptide) (NGF).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	SSSHPIFHRRG EFSVCDSVSV WVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTTHTFVKAL TMDGKQAAGR FIRIDTACVC VLSRKAVRRA
Tag:	Tag Free
Predicted MW:	13.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	determined by its ability to stimulate chick E9 DRG neurite outgrowth. ED50 is less than or equal to 1.0 ng/ml, corresponding to a specific activity of $> 1 \times 10^6$ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C .
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002497
Locus ID:	4803
UniProt ID:	P01138
RefSeq Size:	1052
Cytogenetics:	1p13.2
RefSeq ORF:	723
Synonyms:	Beta-NGF; HSN5; NGFB



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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: