

Recombinant Full Length Human NGF Protein, C-Flag-tagged

Cat. No. NGF-735HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NGF Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.9 kDa
AA Sequence	MSMLFYTLITAFBIGQAEPHSESNVPAGHTIPQVHWTKLQHSLDTALRRARSAPAAAI AARVAGQTRNI TVDPRLFKKRRLRSPRVLFSTQPPREAADTQDLDFEVGGAAPFNR THRSKRSSSHPIFHRGEFSVCDSVS VWVGDKTTATDIKGKEVMVLGEVNINNSVFK QYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKALTMGKQAARWFIRIDT ACVCLSRKAVRRA SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Apoptosis, MAPK signaling pathway, Neurotrophin signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	NGF nerve growth factor [Homo sapiens (human)]
Official Symbol	NGF
Synonyms	NGFB; HSN5; Beta-NGF
Gene ID	4803
mRNA Refseq	NM_002506.3
Protein Refseq	NP_002497.2

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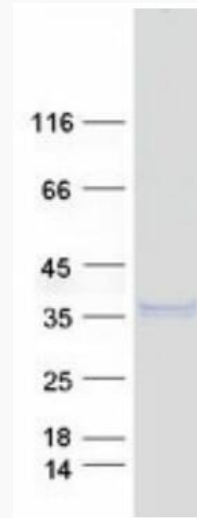
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MIM 162030

UniProt ID P01138



Coomassie blue staining of purified NGF protein.

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