

Recombinant Human NGF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NGF-4655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NGF MS Standard C13 and N15-labeled recombinant protein (NP_002497) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	26.99 kDa
AA Sequence	MSMLFYTLITAFILIGIAEPHSESNVPAGHTIPQVHWTKLQHS�DTALRRARSAPAAAI AARVAGQTRNITVDPRLFKKRRRLRSPRVLFSTQPPREAADTQDLDFEVGGAAPFNR THRSKRSSSHPIFHRGEFSVCDSVSVWVGDKTTATDIKGKEVMVLGEVNINNSVFK QYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKALTMDGKQAAWRFIRIDT ACVCVLSRKAVRRASGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

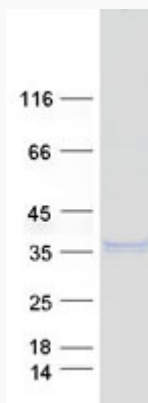
GENE INFORMATION

Gene Name	NGF nerve growth factor [Homo sapiens (human)]
Official Symbol	NGF
Synonyms	NGF; nerve growth factor (beta polypeptide); NGFB; beta-nerve growth factor; nerve growth factor, beta subunit; HSN5; Beta-NGF; MGC161426; MGC161428;
Gene ID	4803
mRNA Refseq	NM_002506
Protein Refseq	NP_002497
MIM	162030
UniProt ID	P01138

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SDS-PAGE

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