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

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

## SPECIFICATION

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| **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** | MSMLFYTLITAFLIGIQAEPHSESNVPAGHTIPQVHWTKLQHSLDTALRRARSAPAAAI AARVAGQTRNI TVDPRLFKKRRLRSPRVLFSTQPPREAADTQDLDFEVGGAAPFNR THRSKRSSSHPIFHRGEFSVCDSVS VWVGDKTTATDIKGKEVMVLGEVNINNSVFK QYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKALTMDGKQAAWRFIRIDT ACVCVLSRKAVRRA SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV |

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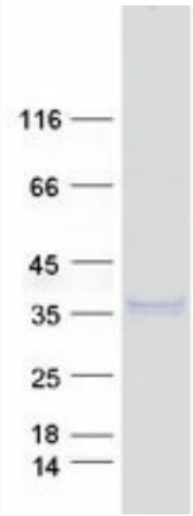
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|---|---|
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **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

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| **Gene Name** | NGF nerve growth factor [ Homo sapiens (human) ] |
| **Official Symbol** | NGF |
| **Synonyms** | NGFB; HSAN5; Beta-NGF |
| **Gene ID** | 4803 |
| **mRNA Refseq** | NM_002506.3 |
| **Protein Refseq** | NP_002497.2 |

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| **MIM** | 162030 |
| **UniProt ID** | P01138 |




Coomassie blue staining of purified NGF protein.

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