

Recombinant Human NGF Protein, His-tagged

Cat. No. NGF-2488H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human NGF Protein (Ser122-Ala241) with a N-His tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Ser122-Ala241 |
| 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 | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 17.2 kDa Accurate Molecular Mass: 17 kDa |
| Endotoxin | <1.0 EU per 1g (determined by the LAL method). |
| Purity | > 90% |

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| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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| Gene Name | NGF nerve growth factor (beta polypeptide) [Homo sapiens (human)] |
| Official Symbol | NGF |
| Synonyms | NGF; nerve growth factor (beta polypeptide); NGFB; beta-nerve growth factor; nerve growth factor, beta subunit; HSAN5; Beta-NGF; MGC161426; MGC161428; |
| Gene ID | 4803 |
| mRNA Refseq | NM_002506 |
| Protein Refseq | NP_002497 |

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MIM 162030

UniProt ID P01138



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