

Active Recombinant Human NGF

Cat. No. NGF-479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NGF (Accession # CAA36832) Met1-Ala241 was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	1-241 a.a.
Predicted N Terminal	Ser122
Form	Lyophilized from a 0.2 µm filtered solution in Acetic Acid with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140:323. The ED50 for this effect is 0.2-2 ng/mL.
Molecular Mass	Recombinant Human NGF has a calculated MW of 13.5 kDa (monomer). In SDS-PAGE migrates as 13 kDa, reducing conditions.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

NGF nerve growth factor (beta polypeptide) [Homo sapiens]

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

**Chromosome
Location**

1p13.1

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