

## Active Recombinant Human NGF protein(Met1-Ala241)

Cat. No. NGF-1259H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NGF (NP_002497.2, with mutation Arg 121 Gly) (Met1-Ala241) was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ala241
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cell proliferation assay using TF-1 Human erythroleukemic cells. The ED50 for this effect is typically 5-20 ng/mL.
<b>Molecular Mass</b>	The recombinant Human NGF consists of 223 amino acids and predicts a molecular mass of 24.8 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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

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