

Active Recombinant Human NGF protein(Met1-Ala241)

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

SPECIFICATION

Product Overview	Recombinant Human NGF (NP_002497.2, with mutation Arg 121 Gly) (Met1-Ala241) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ala241
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using TF-1 Human erythroleukemic cells. The ED50 for this effect is typically 5-20 ng/mL.
Molecular Mass	The recombinant Human NGF consists of 223 amino acids and predicts a molecular mass of 24.8 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	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]
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Official Symbol	NGF
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Synonyms	NGF; nerve growth factor (beta polypeptide); NGFB; beta-nerve growth factor; nerve growth factor, beta subunit; HSN5; Beta-NGF; MGC161426; MGC161428;
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Gene ID	4803
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mRNA Refseq	NM_002506
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Protein Refseq	NP_002497
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MIM	162030
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UniProt ID	P01138
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