

Active Recombinant Human NGF protein, His-tagged

Cat. No. NGF-4463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NGF protein(Ser122-Ala241), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	122-241 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Recombinant Human NGF stimulates cell proliferation of the TF-1 human erythroleukemic cells. The ED50 for this effect is 2.2-8.6 ng/mL, corresponding to a specific activity of 1.16×10^5 - 4.55×10^5 units/mg.
Molecular Mass	25.78 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

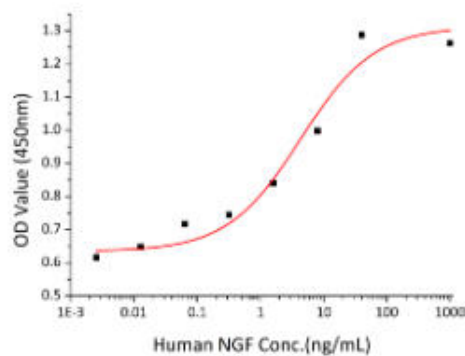
Gene Name	NGF nerve growth factor (beta polypeptide) [Homo sapiens]
Official Symbol	NGF
Synonyms	NGF; nerve growth factor (beta polypeptide); NGFB; beta-nerve growth factor; nerve growth factor, beta subunit; HSN5; Beta-NGF; MGC161426; MGC161428;
Gene ID	4803
mRNA Refseq	NM_002506
Protein Refseq	NP_002497
MIM	162030
UniProt ID	P01138

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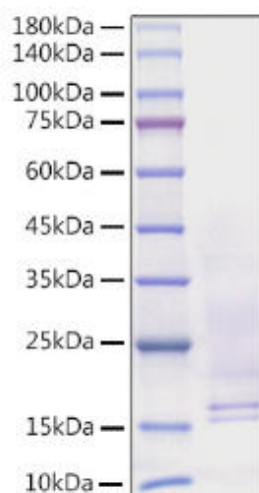
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Activity



SDS-PAGE



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