Active Recombinant Human NGF protein

Cat. No. NGF-05H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human NGF protein(NP_002497.2) (Ser 122-Arg 239) was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	122-239 aa
Form	Lyophilized from sterile 20mM NaAc, 150mM NaCl, pH 5.5.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.2-2 ng/ml.
Molecular Mass	The mature recombinant human β-NGF consists of 118 amino acids and has a predicted molecular mass of 13.2 kDa. β-NGF exists as a non-disulfide linked homodimer in solution.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_002497.2
Unit ID	P01138
Unit ID-Weblink	https://www.uniprot.org/uniprotkb/P01138

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; HSAN5; Beta-NGF; MGC161426; MGC161428;
Gene ID	4803
mRNA Refseq	NM_002506
protein Refseq	NP_002497
MIM	162030

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