

Recombinant Mouse Ngf protein(Ser122-Gly241)

Cat. No. Ngf-477M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NGF (NP_001106168.1) (Ser 122-Gly 241) was expressed in CHO, with an initial Met at the C-terminus.
Species	Mouse
Source	CHO
ProteinLength	122-241 a.a.
Form	Lyophilized from sterile 150mM NaCl, 50mM NaAc, pH 5.5. 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 1-6 ng/mL.
Molecular Mass	The recombinant mouse NGF consists of 121 amino acids and has a calculated molecular mass of 13.5 kDa as estimated in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96% 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

 Tel: 1-631-559-9269 1-516-512-3133

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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 [<i>Mus musculus</i>]
Official Symbol	Ngf
Synonyms	NGF; nerve growth factor; beta-nerve growth factor; beta-NGF; nerve growth factor, beta; Ngfb;
Gene ID	18049
mRNA Refseq	NM_001112698
Protein Refseq	NP_001106168

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