Active Recombinant Mouse Ngf Protein (Ser122-Gly241), C-His tagged, Animal-free, Carrier-free

Cat. No. Ngf-71M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ngf Protein (Ser122-Gly241) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ser122-Gly241
Description	Beta-Nerve Growth Factors (Beta-NGF) is a 27 kDa cytokine with 241 amino acid residues. Beta-NGF belongs to neurotrophin family, and acts as neurotrophic factors. It's composed of alpha, beta, gamma subnuits, and the beta subunit is related to its biological activity. Beta-NGF binds to p75 neurotrophin receptor and Trk receptor and their function is about cell death and survival, respectively.
Form	Lyophilized
Bio-activity	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is < 1 ng/mL. The specific activity of recombinant mouse beta-NGF is > 1×10^6 IU/mg.
Molecular Mass	The protein has a calculated MW of 14.41 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

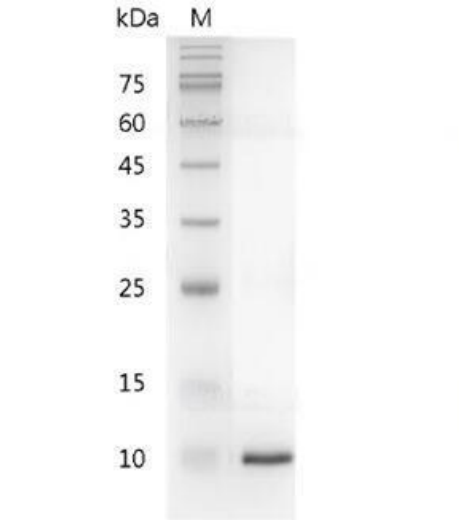
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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 4.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Ngf nerve growth factor [Mus musculus (house mouse)]
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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UniProt ID	P01139
SDS-PAGE analysis of recombinant mouse Beta-NGF.	

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