Recombinant Active Mouse NGF Protein, His-tagged(C-ter)

Cat. No. Ngf-258M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Mouse NGF Protein with His tag (C-ter) was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined 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 x 10^6 IU/mg.
AA Sequence	MSSTHPVFHMGEFSVCDSVSVWVGDKTTATDIKGKEVTVLAEVNINNSVFRQYFFE TKCRASNPVESGCRGIDSKHWNSYCTTTHTFVKALTTDEKQAAWRFIRIDTACVCVL SRKATRRG
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

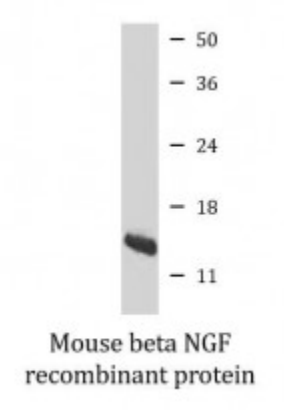
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Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	20 mM Sodium citrate (pH 4.5) and 0.2 M NaCl.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	Ngf nerve growth factor [Mus musculus]
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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SDS-PAGE	 Mouse beta NGF recombinant protein

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