

Active GMP Recombinant Mouse Ngf Protein, His-Tagged

Cat. No. Ngf-01M Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Ngf Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	Enables transmembrane receptor protein tyrosine kinase activator activity. Involved in positive regulation of DNA binding activity; positive regulation of Ras protein signal transduction; and positive regulation of protein phosphorylation. Acts upstream of or within several processes, including cell surface receptor signaling pathway; positive regulation of cell projection organization; and positive regulation of macromolecule metabolic process. Located in neuron projection terminus. Is expressed in several structures, including alimentary system; genitourinary system; limb; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in several diseases, including IgA glomerulonephritis; end stage renal disease; hereditary sensory and autonomic neuropathy type 5; interstitial cystitis; and neurogenic bladder. Orthologous to human NGF (nerve growth factor).
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 x 10 ⁶ IU/mg.
AA Sequence	MSSTHPVFHMGFEFSVCDSVSVVWVGDKTTATDIKGKEVTVLAEVNINNSVFRQYFFE

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TKCRASNPVESGCRGIDSKHWNSYCTTTHTFVKALTTDEKQAAWRFIRIDTACVCVL
SRKATRRG with polyhistidine tag at the C-terminus

Endotoxin <0.1 EU per 1 µg of the protein by the LAL method.

Purity >98% as determined by SDS-PAGE. Ni-NTA chromatography

Notes Please use within one month after protein reconstitution.

Storage Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.

Storage Buffer The protein was lyophilized from a solution containing 20 mM sodium citrate, 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 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name [Ngf nerve growth factor \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ngf](#)

Synonyms Ngfb; beta-NGF

Gene ID [18049](#)

mRNA Refseq [NM_001112698.2](#)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

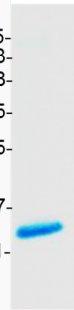
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_001106168.1

UniProt ID P01139

kDa

75-
63-
48-
35-
25-
17-
11-



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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA