

Active Native Mouse Nerve Growth Factor

Cat. No. Ngf-298M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse NGF (2.5S) was isolated from mouse submaxillary glands by method of Mobley et al (1976) and is a form of beta-NGF that has identical biological properties.
Species	Mouse
Source	Mouse Submaxillary Gland
Description	NGF is known to regulate the survival and development of certain sympathetic and sensory neurons. It is a dimer with 2 identical polypeptide chains and dimeric molecular weight of approximately 26,500 Da. Isolation and purification of NGF from mouse submaxillary glands yields preparations of NGF (2.5S) with identical biological activity but with cleavages at the amino terminus (with the loss of 8 amino acids) and/or at the carboxy-terminus (with the loss of arginine).
Form	Lyophilised from 0.1M acetic acid under dry N2 with vacuum.
Bio-activity	Tested by stimulation of 8 day old chick embryo dorsal root ganglia.
Molecular Mass	The homodimer has a molecular weight of ~26KDa and the monomer ~13KDa as confirmed by SDS PAGE.
Purity	Greater than 90% (as determined by SDS electrophoresis)
Storage	Store at -20°C. Avoid repeated freezing and thawing.

 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

Reconstitution Reconstitute with the addition of 25 µl sterile water or phosphate buffered saline and aliquot.

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](#)

Pathway ARMS-mediated activation, organism-specific biosystem; Activation of TRKA receptors, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis signaling pathway, organism-specific biosystem; Axonal growth stimulation, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem;

Function growth factor activity; nerve growth factor receptor binding; receptor binding; receptor signaling protein activity;

 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