

Native Mouse Nerve Growth Factor 2.5S

Cat. No. Ngf-51M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified NGF from mouse submaxillaries - lyophilized
Species	Mouse
Source	Mouse Submaxillary Gland
Description	Nerve growth factor (NGF) is a protein secreted by the target of a neuron that stimulates the growth and differentiation of the sympathetic and certain sensory nerves. It consists of 3 subunits, alpha, beta and gamma, with the beta subunit having sole responsible for nerve and growth stimulating activity.
Form	TRIS buffered saline
Purity	SDS PAGE: >95%
Applications	ELISA
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
Storage	Prior to reconstitution store at +4 °C. After reconstitution store at -20 °C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. If stored in this manner, this product is stable for 12 months after receipt.

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Reconstitution	Dissolve product in a small volume of sterile distilled water. Stability may be enhanced by the addition of albumin.
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Background	Introduction	Purified IgG prepared by affinity chromatography on Protein G.
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GENE INFORMATION

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