

Recombinant Mouse Nerve Growth Factor

Cat. No. Ngf-354M Lot. No. (See product label)

SPECIFICATION

Species	Mouse
Source	Mammalian Cells
Description	Nerve growth factor beta (NGF-beta) is a secreted protein that is important for the differentiation and survival of neurons and dermal keratinocytes.
Molecular Weight	The predicted molecular weight of Recombinant Mouse β -NGF is Mr 13.5 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Formulation	This recombinant protein was 0.2 μ m filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2-7.3 with no calcium, magnesium, or preservatives.
Biological Activity	The biological activity of Mouse β -NGF was determined by in a cell proliferation assay using a factor-dependent human erythroleukemic cell line, TF-1.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer.

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GENE INFORMATION

Gene Name	Ngf nerve growth factor [Mus musculus]
Synonyms	Ngf; nerve growth factor; Ngfb
Gene ID	18049
mRNA Refseq	NM_001112698
Protein Refseq	NP_001106168
UniProt ID	P01139
Chromosome Location	3 48.5 cM
Pathway	Apoptosis; MAPK signaling pathway; Neurotrophin signaling pathway
Function	growth factor activity; receptor binding; receptor signaling protein activity

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