

beta Nerve Growth Factor Active Protein | Ngf active protein

Mouse beta Nerve Growth Factor Recombinant

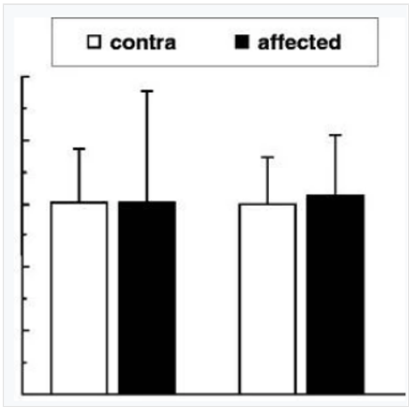
CATALOG #	HOST
AAA333006	CHO cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

PRODUCT SYNONYMS

beta Nerve Growth Factor; Mouse beta Nerve Growth Factor Recombinant; Ngf active protein

PRODUCT SPECIFICATIONS

Host	CHO cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant mouse NGF was lyophilized from a 0.2 um filtered solution in mM sodium acetate, pH.5.
Sequence	MSMLFYTLIT AFLIGVQAEP YTDENVPEGD SVPEAHWTKL QHSLDTALRR ARSAPTAPIA ARVTGQTRNI TVDPRLFKKR RLHSPRVLFS TQPPPTSSDT LDLDFAQHGT IPFNRTTHRSK RSSTHPVFHM GEFSVCDSVS VWVGDKTTAT DIKGKEVTVL AEVNINNSVF RQYFFETKCR ASNPVESGCR GIDSKHWNSY CTTTHTFVKA LTTDEKQAAW RFIRIDTACV CVLSRKATRR G
Source	Optimized DNA sequence encoding Mouse Nerve Growth Factor mature chain was expressed in CHO.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Biological Activity	The ED(50) was determined by the determined by its ability to stimulate chick E9 DRG neurite outgrowth was found to be in the range of 1.0 ng/ml.
Molecular Function	Growth-factor, Metalloenzyme-inhibitor, Protease-inhibitor
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least years from date of receipt at -20 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2 degree -8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.



Testing Data
NGF contents in the skin. NGF contents in the skin of the affected and contralateral hindlimbs of wild-type and Y1472F-KI mice on day 50 post-inoculation and in the back skin at 24?h after wounding were measured by ELISA.

ADDITIONAL INFORMATION

Product Categories/Family for Ngf active protein	Neurotrophic factors; Recombinant Mouse Cytokines
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NCBI AND UNIPROT INFORMATION

NCBI GI #	162951831
NCBI GeneID	18049
NCBI Accession #	NP_001106168.1
NCBI GenBank Nucleotide #	NM_001112698.2
UniProt Accession #	P01139; P07174
Molecular Weight	27,077 Da
NCBI Official Full Name	beta-nerve growth factor isoform B
NCBI Official Synonym Full Names	nerve growth factor
NCBI Official Symbol	Ngf
NCBI Official Synonym Symbols	Ngfb
NCBI Protein Information	beta-nerve growth factor; beta-NGF; nerve growth factor, beta
UniProt Protein Name	Beta-nerve growth factor
UniProt Gene Name	Ngf
UniProt Synonym Gene Names	Ngfb; Beta-NGF
UniProt Entry Name	NGF_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.