

Nerve Growth Factor (NGF) Recombinant Protein | NGF recombinant protein

Recombinant Nerve Growth Factor (NGF)

CATALOG # AAA148337	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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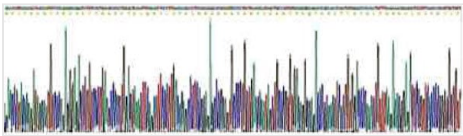
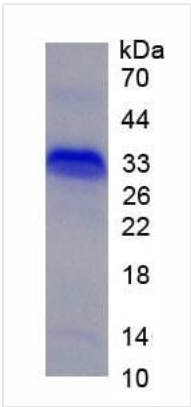
PRODUCT SYNONYMS

Nerve Growth Factor (NGF); Recombinant Nerve Growth Factor (NGF); NGFB; Beta-NGF; HSN5; NGF-B; Beta-Nerve Growth Factor; NGF recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for NGF recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Rattus norvegicus (Rat)
Source	Prokaryotic expression
Residues	Glu19~Gly241
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	9.4
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE
Figure. SDS-PAGE

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EP YTDENVPEGD SVPEAHWTKL QHSLDTALRR
ARSAPAEPIA ARVTGQTRNI TVDPKLFKKR RLRSPLVLFS TQPPPTSSDT
LDLDFQAHGT ISFNRTHRSK RSSTHPVFHM GEFSVCDSVS VWVGDKTTAT
DIKGKEVTVL GEVNINNSVF KQYFFETKCR APNPVESGCR GIDSKHWNYSY
CTTHTFVKA LTTDDKQAAW RFIRIDTACV CVLSRKAARR G
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Sequence

ADDITIONAL INFORMATION

Product Categories/Family for NGF recombinant protein Cytokine; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	456367246
NCBI GeneID	310738
NCBI Accession #	NP_001263984.1
NCBI GenBank Nucleotide #	NM_001277055.1
UniProt Accession #	P25427
NCBI Official Full Name	beta-nerve growth factor
NCBI Official Synonym Full Names	nerve growth factor
NCBI Official Symbol	Ngf
NCBI Official Synonym Symbols	Ngfb; beta-NGF
NCBI Protein Information	beta-nerve growth factor
UniProt Protein Name	Beta-nerve growth factor
UniProt Gene Name	Ngf
UniProt Synonym Gene Names	Ngfb; Beta-NGF

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.