

## Active Recombinant Human NGF

Cat. No. NGF-534H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human NGF (P01138) full-length recombinant protein expressed in CHO cells.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Theoretical MW (kDa)</b>	16.95
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (CHO) expression system
<b>Purity</b>	μ 98% by SDS-PAGE, μ 98% by HPLC
<b>Endotoxin Level</b>	< 0.1 ng/ug
<b>Activity</b>	The ED50 as determined using PC12 cell line is 1.2-2 ng/mL and using DRG cell line is 0.8-1.5 ng/mL.
<b>Application</b>	SDS-PAGE
<b>Storage Buffer</b>	Lyophilized from 30 mM sodium acetate, pH 5.5 (1% HAS)
<b>Storage</b>	Store at -20°C on dry atmosphere.

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<b>Unitprot ID</b>	P01138
<b>Pathways</b>	Apoptosis, MAPK signaling pathway, Signalling by NGF
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	NGF nerve growth factor (beta polypeptide) [ Homo sapiens ]
<b>Official Symbol</b>	NGF
<b>Synonyms</b>	Beta-NGF; HSAN5; MGC161426; MGC161428; NGFB; Beta-nerve growth factor precursor; beta-nerve growth factor; nerve growth factor, beta polypeptide; nerve growth factor, beta subunit;NGF_HUMAN; NGF; nerve growth factor (beta polypeptide)
<b>Gene ID</b>	4803
<b>mRNA Refseq</b>	NM_002506
<b>Protein Refseq</b>	NP_002497
<b>MIM</b>	162030
<b>Chromosome Location</b>	1p13.1
<b>Function</b>	growth factor activity, nerve growth factor receptor binding, receptor signaling protein activity

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