

## Recombinant Human NGF protein

**Cat. No.** NGF-588H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human NGF(Ser122-Arg239) was expressed in HEK293.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | Ser122-Arg239  |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH 7.0   |
| <b>AA Sequence</b>      | SSSHPIFHRGEFSVCDSVSVVWVGDKTTATDIKGKEVMVLGEVNINNSVFKQYFFETK<br>CRDPNPVDSGCRGIDSKH WNSYCTTTHTFVKALTM DGKQAAWRFIRIDTACVCVLS<br>RKA VR   |
| <b>Endotoxin</b>        | Less than 0.1 ng/g (1 IEU/g).  |
| <b>Purity</b>           | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.  |
| <b>Storage</b>          | Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. |

### GENE INFORMATION

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|----------------------------|--|
| <b>Gene Name</b>           | NGF nerve growth factor (beta polypeptide) [ Homo sapiens ]  |
| <b>Official Symbol</b>     | NGF  |
| <b>Synonyms</b>            | NGF; nerve growth factor (beta polypeptide); NGFB; beta-nerve growth factor; nerve growth factor, beta subunit; HSN5; Beta-NGF; MGC161426; MGC161428;  |
| <b>Gene ID</b>             | 4803   |
| <b>mRNA Refseq</b>         | NM_002506  |
| <b>Protein Refseq</b>      | NP_002497  |
| <b>MIM</b>                 | 162030   |
| <b>UniProt ID</b>          | P01138   |
| <b>Chromosome Location</b> | 1p13.1   |
| <b>Pathway</b>             | ARMS-mediated activation, organism-specific biosystem; Activation of TRKA receptors, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Axonal growth stimulation, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Ceramide signalling, organism-specific biosystem; |
| <b>Function</b>            | growth factor activity; nerve growth factor receptor binding; receptor signaling protein activity;   |

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