

# CHAMOT

**Recombinant beta-NGF, Mouse, Animal-Free**

**CM086-5MP**

**CM086-20MP**

**CM086-100MP**

**CM086-500MP**

**CM086-1000MP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*



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## Recombinant beta-NGF, Mouse, Animal-Free

Catalog#	CM086-5MP	CM086-20MP	CM086-100MP	CM086-500MP	CM086-1000MP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

### Product Specifications

<b>Background</b>	Beta-Nerve Growth Factors (Beta-NGF) is a 27 kDa cytokine with 241 amino acid residues. Beta-NGF belongs to neurotrophin family, and acts as neurotrophic factors. It's composed of alpha, beta, gamma subunits, and the beta subunit is related to its biological activity. Beta-NGF binds to p75 neurotrophin receptor and Trk receptor and their function is about cell death and survival, respectively.
<b>Synonyms</b>	nerve growth factor-beta, $\beta$ -Nerve Growth Factor, NGF- $\beta$
<b>Uniprot ID</b>	P01139
<b>Molecular Weight</b>	The protein has a calculated MW of 14.41 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
<b>Expression System</b>	Escherichia coli
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Activity</b>	Measure by its ability to induce TF-1 cells proliferation. The ED <sub>50</sub> for this effect is <1ng/mL. The specific activity of recombinant mouse beta-NGF is > 1 x 10 <sup>6</sup> IU/mg.
<b>Endotoxin Level</b>	<0.1 EU per 1 $\mu$ g of the protein by the LAL method.
<b>Protein Sequence</b>	MSSTHPVFHMGESVCDSDSVWVGDKTTATDIKGKEVTVLAEVNINNSVFRQYFFETKCRA SNPVESGCRGIDSKHWNSYCTTTHTFVKALTTDEKQAAWRFIRIDTACVCVLSRKATRGG with polyhistidine tag at the C-terminus.
<b>Form</b>	The protein was lyophilized from a 0.2 $\mu$ m filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5. If you have any concerns or special requirements, please confirm with us.
<b>Application</b>	Cell Culture

## Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## Storage/Shipping

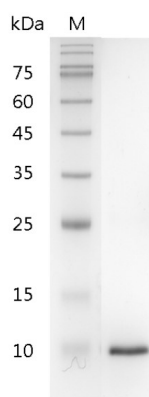
### Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

### Shipping

Blue Ice

## Scientific Data



SDS- PAGE analysis of recombinant mouse beta-NGF

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