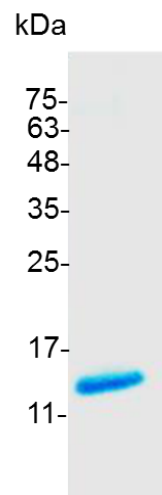


**beta-NGF (Nerve growth factor-beta), Mouse**

v. 231101

<b>Catalog number</b>	C02092-5UG / C02092-20UG / C02092-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Nerve growth factor (NGF) is a neurotrophic factor and neuropeptide primarily involved in the regulation of growth, maintenance, proliferation, and survival of certain target neurons. NGF-β acts through its receptor β-NGFR and is involved in the development and maintenance of the sensory and sympathetic nervous systems. NGF-β also is also involved in the growth, differentiation, and survival of B lymphocytes. Human, mouse and rat proteins show cross-reactivity.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MSSTHPVFHMGFEFSVCDSVSVWVGDKTTATDIKKGKEVTVLAEVNINNSVFRQY FFETKCRASNPVESGCRGIDSKHWNSYCTTTHTFVKALTTDEKQAAWRFIRIDT ACVCVLSRKATRRG with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce TF-1 cells proliferation. The ED <sub>50</sub> for this effect is <1 ng/mL. The specific activity of recombinant mouse beta-NGF is > 1 x 10 <sup>6</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 4.5.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse beta-NGF

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