

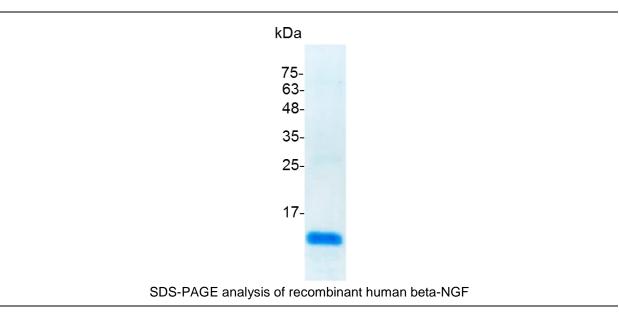
PRODUCT INFORMATION

beta-NGF (Nerve growth factor-beta), Human

v. 231001

Catalog number	C01154-5UG / C01154-20UG / C01154-100UG
Package	5 μg / 20 μg / 100 μg
Description	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.
Source	Escherichia coli
Sequence	MSSSHPIFHRGEFSVCDSVSVWVGDKTTATDIKGKEVMVLGEVNINNSVFKQY FFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKALTMDGKQAAWRFIRID TACVCVLSRKAVRRA with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce TF-1 cells proliferation. The ED $_{50}$ for this effect is <0.7 ng/mL. The specific activity of recombinant human beta-NGF is > 1 x 10^6 IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: - 20°C for 12 months in lyophilized state from date of receipt. - 20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.





For research use only.