

RMCM086

Recombinant beta-NGF (Nerve growth factor-beta), Mouse
, AF



5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : β -Nerve Growth Factor, NGF- β

Activity:

Measure by its ability to induce TF-1 cells proliferation.

The ED50 for this effect is <1ng/mL.

The specific activity of recombinant mouse beta-NGF is > 1 x 10⁶ IU/mg.

Protein 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.

Protein Accession : Q6LDU8

Gene ID : 18049

Expression Sequence:

MSSTHPVFHMGESVCDVSVVWVGDKTTATDIKQKEVTVLAEVNINNSVFRQYFFETKCRASNPVESGCRGIDSKHWNSYCTTTHTFV
KALTTDEKQAAWRFIRIDTACVCLSRKATRRG with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 μ g of the protein by the LAL method.

Calculated Molecular Weight : 14.41 kDa

Formulation:

The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

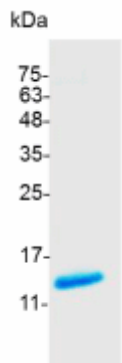
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse beta-NGF