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32-7648: Recombinant Mouse beta-Nerve Growth Factor/ beta-NGF (Met130-Arg239)

Gene : Ngf
Gene ID : 18049
Uniprot ID : P01139

Description

Source: E.coli.
MW :12.4kD.
Recombinant Mouse beta-Nerve Growth Factor is produced by our E.coli expression system and the target gene encoding Met130-Arg239 is expressed. Mouse beta-NGF is a neurotrophic factor structurally related to BDNF, NT-3 and NT-4. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. beta-NGF is a potent neurotrophic factor that signals through its receptor beta-NGFR, and plays a crucial role in the development and preservation of the sensory and sympathetic nervous systems. beta-NGF also acts as a growth and differentiation factor for B lymphocytes, and enhances B-cell survival.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM Tris,200mM NaCl,pH8.0.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MGEFSVCDSVSVWVGDKTTATDIKGKEVTVLAEVNINNSVFRQYFFETKCRASNPVESGCRGIDSKHWNSYCT TTHTFVKALTTDEKQAAWRFIRIDTACVCVLSRKATR

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.