

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Recombinant Mouse Beta-NGF (110AA) EBT-EPT250

Article Name	Recombinant Mouse Beta-NGF (110AA)
Biozol Catalog Number	EBT-EPT250
Supplier Catalog Number	EPT250
Alternative Catalog Number	EBT-EPT250-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Beta-Nerve Growth Factor is produced by our E.coli expression system and the target gene encoding Met130-Arg239 is expressed....
Molecular Weight	Molecular weight: 12.4 KDa. Apparent molecular weight: 12 KDa, reducing conditions
UniProt	P01139
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 68.52 ng/ml. Background: NGF is the first member discovered in the Neurotrophin family, which includes brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3), and neurotrophin-4 (NT-4). These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. Mouse beta -NGF is a homodimer of two 120 amino acid polypeptides. It shares approximately 90% homology at the amino acid level with human beta -NGF and 95.8% with rat beta -NGF. NGF signaling has been shown to play an important role in neuroprotection and repair. beta-NGF acts as a growth and differentiation factor for B lymphocytes, and enhances B-cell survival. It 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.
-------------------	--