

## 32-20529: Recombinant Murine Beta -NGF(Discontinued)

**Reactivity :** Human, Mouse,  
**Alternative Name :** NGF-Beta , beta-Nerve Growth Factor

### Description

**Source:** **E.coli** 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. The functional form of Recombinant Murine Beta -NGF is a non-covalently-linked homodimer of two 13.4 kDa, polypeptide monomers that each contain 120 amino acids and three disulfide bonds, which are required for biological activity.

### Product Info

**Amount :** 5 µg / 20 µg  
**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** SSTHPVFHMG EFSVCDSVSV WVGDKTTATD IKGKEVTVLA EVNINNSVFR QYFFETKCRA SNPVESGCRG  
IDSKHWNSYC TTTHTFVKAL TTDEKQAAWR FIRIDTACVC VLSRKATRRG

### Application Note

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is <=1.0 ng/ml, corresponding to a specific activity of >= 1 x 10<sup>6</sup> units/mg.