


**Recombinant Human  
beta NGF**

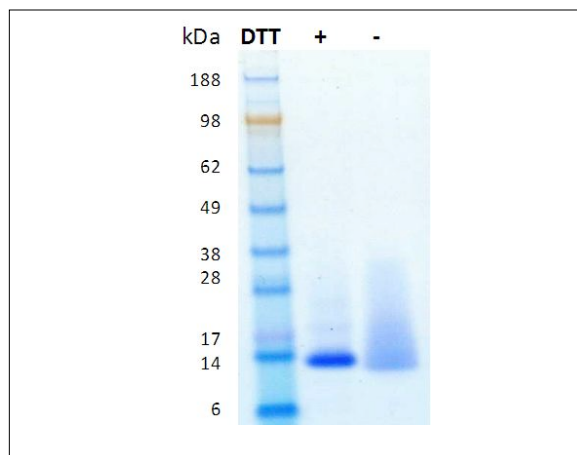
**beta NGF HumaXpress**

**Product Description**

- Endotoxin-free\*
- Animal-derived product free
- Available in Bulk
- High Activity

Xeno-free beta NGF<sup>HuXp</sup> is expressed in human 293 cells as a non-disulfide bonded homodimeric protein with an apparent molecular mass of 13 kDa. Beta NGF is critical for the survival and maintenance of sympathetic and sensory neurons and may play an important role in the regulation of the immune system. The presence of beta NGF in immune cells and endocrine cells as well as in the CNS limbic areas suggests that beta NGF may function as an intracellular messenger to regulate the body's response to stress. This product is produced in a human cell expression system with serum-free, chemically defined media.

 All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™



**Typical Specifications**

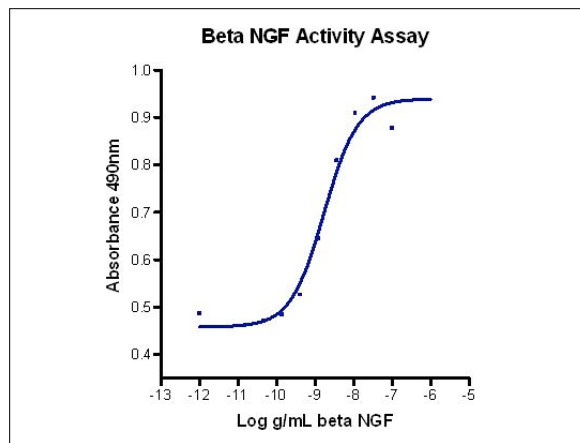
**Species** Human  
**Expression** Human Cell Expressed  
**Activity** 1.5 to 8 ng/mL ED50  
**Purity** >95%  
**Endotoxin** Endotoxin-free\*  
**Molecular Mass** 13 kDa, non-disulfide bonded homodimer, non-glycosylated

**Purity Confirmation**

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

**Activity Assay**

The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).



\* Endotoxin-free ... <1 EU/μg  
 All HumanKine™ cytokines are expressed in the HumaXpress® human cell expression system and intrinsically have low endotoxin levels.

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