



## Tumor Necrosis Factor beta, His Tag, human recombinant (rHuTNF-b-His)

**Catalog No:** 95027  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Lymphotoxin-alpha, LT-alpha, TNF-beta, Tumor necrosis factor ligand superfamily member 1, LTA, LT, TNFB, TNFSF1

### Background

TNF- $\alpha$  is a potent multifunctional cytokine produced mainly by activated T and B lymphocytes. The protein has been shown to have a specific potent cytotoxic activity on tumor cells and a variety of other target cells as well as being a mediator of inflammation and immune function.

### Description

Tumor Necrosis Factor-b human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 171 amino acids (35-205) and having a molecular mass of 23.3 kDa with an N-terminal hexahistidine tag. TNF-b His is purified by standard chromatographic techniques.

### Physical Appearance

Sterile filtered clear solution.

### Formulation

TNF-b His is supplied in 20 mM BTP, 50 mM NaCl and 50% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Usage

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