

## 32-12316: Human Transforming Growth Factor-beta 3

**Gene :** TGFB3  
**Gene ID :** 7043  
**Uniprot ID :** P10600  
**Alternative Name :** Transforming growth factor beta-3, LAP

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** 25.7 kDa (113/226 aa)

Transforming growth factors (TGFs) are multifunctional peptides that regulate growth and differentiation in most cell types. The TGF-beta family of proteins signal through serine/threonine kinase receptors. TGF-beta isoforms (TGF-beta 1, -beta 2, and -beta 3) have overlapping, yet distinct biological actions in developing and adult tissues. TGF-beta 3 is an important factor in regulating cell adhesion and accelerating wound repair. TGF-beta 3 also functions during osteoblast proliferation, chemotaxis, and collagen synthesis.

### Product Info

**Amount :** 10 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
**Content :** In solution: 10 mM acetic acid and 20% Ethanol at a concentration of 0.25 mg/mL  
**Storage condition :** Store at 4°C  
**Amino Acid :** MALDTNYCFR NLEENCCVRP LYIDFRQDLG WKWVHEPKGY YANFCSGPCP YLRSADTTHS TVLGLYNTLN PEASASPCCV PQDLEPLTIL YYVGRTPKVE QLSNMVVKSC KCS

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by Inhibition of IL-4-induced HT-2 cell proliferation at <=1 ng/mL; >= 1.0 x 10<sup>6</sup> units/mg



