

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 10⁶ units/mg



