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32-12317: Human Transforming Growth Factor-beta 3 (AF)

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

Description

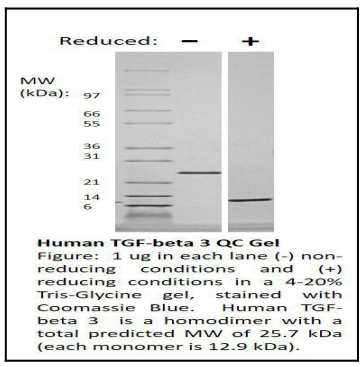
Source: Genetically modified E.coli.
Predicted MW:Â Dimer, 12.9/25.7 kDa (113/226 aa)
Transforming growth factors (TGFs) are multifunctional peptides that regulate growth and differentiation in most cell types. The TGF-beta family of proteins signal through serine/threonine kinase receptors. TGF-beta isoforms (TGF-beta 1, -beta 2, and Â–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

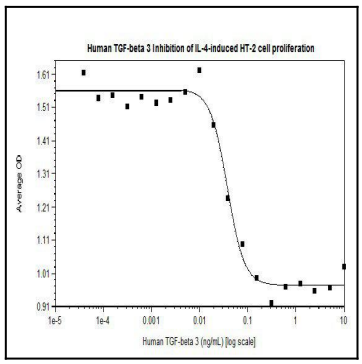
Endotoxin: Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Biological Activity was determined by Inhibition of IL-4-induced HT-2 cell proliferationat <=1 ng/mL; >= 1.0 x 10^6 units/mg



Human TGF-beta 3 QC Gel
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human TGF-beta 3 is a homodimer with a total predicted MW of 25.7 kDa (each monomer is 12.9 kDa).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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