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32-12315: Human Transforming Growth Factor-beta 1

Gene : TGFB1
Gene ID : 7040
Uniprot ID : P01137
Alternative Name : Transforming growth factor beta-1, TGF-beta-1

Description

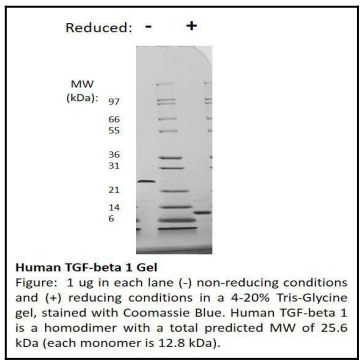
Source: Genetically modified HEK 293 cells.
Â Dimer, 12.8/25.6 kDa (112/224 aa)
Transforming growth factor-beta 1 (TGF-b1) is a member of the TGF-beta superfamily of cytokines.Â Members of this family exhibit regulatory activity in immunity, proliferation, adhesion, migration, and growth inhibition pathways.Â TGF-b1 signals through SMAD proteins via the TGF-bRI and TGF-bRII receptors.Â

Product Info

Amount :	20 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1 % trifluoroacetic acid (TFA) and Trehalose in a 20:1 Trehalose to protein ratio Sterile 10 mM HCl at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMIVRSCK CS

Application Note

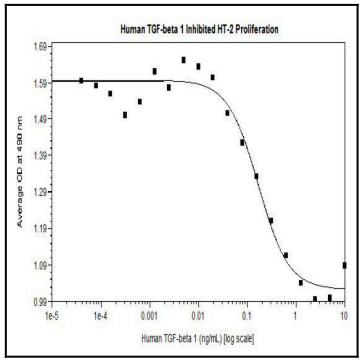
Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.
Biological Activity was determined by Inhibition of IL-4-induced HT-2 cell proliferation at <=500 pg/mL; >= 2.0 x 10^6 units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã□Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Human TGF-beta 1 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 1 is a homodimer with a total predicted MW of 25.6 kDa (each monomer is 12.8 kDa).

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

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