

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

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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. Members of this family exhibit regulatory activity in immunity, proliferation, adhesion, migration, and growth inhibition pathways. TGF-b1 signals through SMAD proteins via the TGF-bRI and TGF-bRII receptors.Â

Product Info

Amount : $20 \mu g / 100 \mu g$

Purification: Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1 % trifluoroacetic

Content: 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

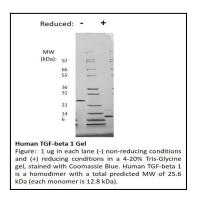
Amino Acid: ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP

GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMIVRSCK CS

Application Note

Endotoxin: Less than 0.1 ng/ $\tilde{A} \square \hat{A} \mu g$ (1 IEU/ $\tilde{A} \square \hat{A} \mu g$) as determined by LAL test.

Biological Activity was determined by Inhibition of IL-4-induced HT-2 cell proliferation at <=500 pg/mL; >= 2.0×10^6 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 $-80\tilde{A} \square \hat{A}^{\circ} C$ 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.





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Human TGF-beta 1 Inhibited HT-2 Proliferation

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