

Human Latent TGFB1 (C33S) Protein; His Tag

Product Information

Product Name	Human Latent TGFB1 (C33S) Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88850RP-100 / 100 μg GM-88850RP-1000 / 1 mg

Protein Information

Alternative Names	CED, LAP, TGF-beta 1, DPD1, TGF-beta-1, TGFB
Source	Human Latent TGFB1 (C33S) Protein; His Tag (GM-88850RP) is expressed from human 293 cells (HEK-293). It contains AA Leu 30 - Ser 390 (C33S) (Accession # P01137). This protein carries a His tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	42.1 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	Transforming growth factor- β 1 (TGFB1) is a multifunctional cytokine of the TGF- β superfamily. Its precursor protein is proteolytically cleaved into a latency-associated peptide (LAP) and a mature peptide, which are stored in the extracellular matrix in a latent form. Upon activation, TGFB1 binds TGF- β receptors and triggers SMAD-dependent signaling, thereby regulating cell proliferation, differentiation, and immune responses, and contributing to development, bone remodeling, and wound healing. Aberrant TGFB1 expression is closely associated with tumorigenesis and Camurati-Engelmann disease.

Figures

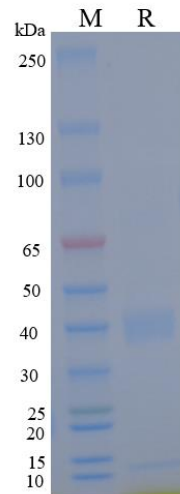


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

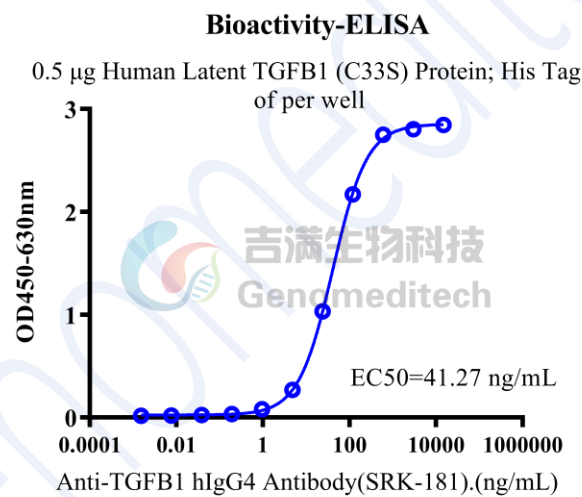


Figure 2 | Human Latent TGFB1 (C33S) Protein; His Tag (Catalog # GM-88850RP) was immobilized at 5 μ g/ml (100 μ L/well). Increasing concentrations of Anti-TGFB1 hIgG4 Antibody(SRK-181) (Catalog # GM-26831AB) were added.

Related Products

TGF-β:GARP:αvβ6	
H_GARP Latent TGFB1 Reporter HEK-293 Cell Line	TGF-β Reporter 293 DDX35TM Cell Line
TGF-β Reporter HEK-293 Cell Line	Cynomolgus_ITGB6 HEK-293 Cell Line
Cynomolgus_αvβ6 HEK-293 Cell Line	H_GARP HEK-293 Cell Line
H_GARP Latent TGF-β1 CHO-K1 Cell Line	H_GARP Latent TGF-β1 HEK-293 Cell Line
H_ITGB6 CHO-K1 Cell Line	H_ITGB6 HEK-293 Cell Line
H_ITGB6 NIH-3T3 Cell Line	H_αvβ6 CT26 Cell Line
H_αvβ6 HEK-293 Cell Line	H_αvβ6 LLC1 Cell Line
H_αvβ6 MC38 Cell Line	
Anti-GARP-TGF-β1 hIgG4 Antibody(ARGX-115)	Anti-ITGB6 hIgG1 Antibody(SGN-B6A)
Anti-TGFB1 hIgG4 Antibody(SRK-181)	Anti-αv hIgG2 Antibody(Abituzumab)
Anti-αvβ6 hIgG1 Antibody(m15H3)	Anti-ITGB6-MMAE ADC(Dar4)[SGN-B6A]
Cynomolgus Latent TGFB1 (C33S) Protein; His Tag	
ADC Related Product	
Anti-DXD Mouse IgG1 Antibody (23E21C5)	Anti-DXD Mouse IgG1 Antibody (4A5A12)
Anti-Dxd Mouse IgG2a Antibody (17D6A4)	Anti-Eribulin Mouse IgG2a Antibody (10F8G4)
Anti-MMAE Mouse IgG1 Antibody (11C10E3)	Anti-MMAE Mouse IgG2a Antibody (17A1K11)
Anti-MMAE Mouse IgG2a Antibody (8F6A3)	Anti-SN38 Mouse IgG1 Antibody(59H11C7)
Mouse anti Human IgG1-DXD(Dar8)	Mouse anti Human IgG1-MMAE(Dar4)
Human IgG1 Isotype-DXD (Dar8)	Human IgG1 Isotype-Eribulin (Dar4)
Human IgG1 Isotype-MMAE (Dar4)	
Recombinant DT3C Protein	