Recombinant Human TGFB1 Protein(Leu30-Ser390 (C33S)), His-tagged

Cat. No. TGFB1-3847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 Protein(Leu30-Ser390 (C33S))(P01137) is expressed from HEK293 with His tag at the N-Terminus.
Species	Human
Source	HEK293
ProteinLength	Leu30-Ser390 (C33S)
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Latent TGF beta 1, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB6, His Tag with the EC50 of 2.2μg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 44.2 kDa. Due to glycosylation, the protein migrates to 40-50 kDa (LAP) / 13-15 kDa (Mature TGF Beta 1) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

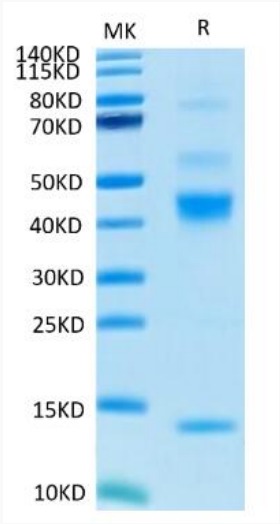
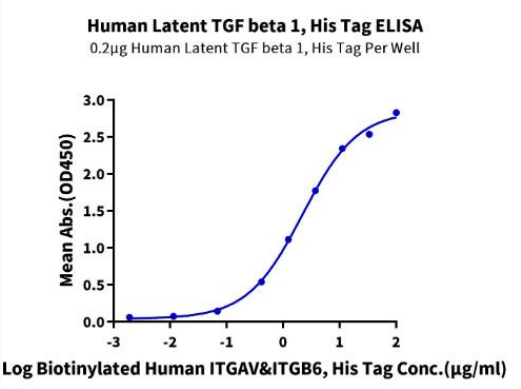
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Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name	TGFB1 transforming growth factor, beta 1 [Homo sapiens]
Official Symbol	TGFB1
Synonyms	TGFB1; transforming growth factor, beta 1; DPD1, TGFB; transforming growth factor beta-1; Camurati Engelmann disease; CED; TGFbeta; TGF-beta-1; TGF-beta 1 protein; latency-associated peptide; LAP; DPD1; TGFB;
Gene ID	7040
mRNA Refseq	NM_000660
Protein Refseq	NP_000651
MIM	190180
UniProt ID	P01137

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Tris-Bis PAGE	
ELISA	

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