

Active Recombinant Human TGFB1 protein, Fc-Avi-tagged, Biotinylated

Cat. No. TGFB1-0343H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human TGFB1 protein(Leu30-Arg278), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	30-278 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Biotinylated Human LAP (TGF-beta 1), Fc,Avitag with a linear range of 0.2-6 ng/mL. Immobilized Human ITGAV&ITGB6 Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Biotinylated Human LAP (TGF-beta 1), Fc,Avitag with a linear range of 0.2-13 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 57.0 kDa. The protein migrates as 65-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Leu30-Arg278

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

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

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UniProt ID

P01137

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