

# Active Recombinant Human TGFB1 protein, His-Avi-tagged, Biotinylated

Cat. No. TGFB1-0344H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human TGFB1 protein(Leu30-Arg278), fused with His and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	30-278 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	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), His,Avitag with a linear range of 0.4-6 ng/mL.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), His,Avitag with a linear range of 0.4-6 ng/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 32.2 kDa. The protein migrates as 38-47 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Leu30-Arg278

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<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	TGFB1 transforming growth factor, beta 1 [ Homo sapiens ]
<b>Official Symbol</b>	TGFB1
<b>Synonyms</b>	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;
<b>Gene ID</b>	7040
<b>mRNA Refseq</b>	NM_000660
<b>Protein Refseq</b>	NP_000651
<b>MIM</b>	190180

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UniProt ID

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