

## Active Recombinant Human TGFB1 protein

Cat. No. TGFB1-057H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TGFB1 protein(Ala 279 - Ser 390) was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala 279 - Ser 390
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 0.085% TFA in 30% ACN with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human TGFB1, premium grade at 0.2 µg/mL (100 µL/well) can bind Human TGFBR2, Fc Tag with a linear range of 0.2-2 ng/mL.
<b>Molecular Mass</b>	This protein carries no tagThe protein has a calculated MW of 12.8 kDa (monomer). The protein migrates as 14 kDa (monomer) under reducing (R) condition, and 25 kDa (Dimer) under non-reducing (NR) condition (SDS-PAGE).
<b>Endotoxin</b>	Less than 0.1 EU per µg by the LAL method.
<b>Purity</b>	>95% 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

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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.

## 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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