

Active Recombinant Human TGFB1 protein

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

SPECIFICATION

Product Overview	Recombinant Human TGFB1 protein(Ala 279 - Ser 390) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala 279 - Ser 390
Form	Lyophilized from 0.22 µm filtered solution in 0.085% TFA in 30% ACN with trehalose as protectant.
Bio-activity	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.
Molecular Mass	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).
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
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

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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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