

Active Recombinant Human TGFB1 protein, Low Endotoxin

Cat. No. TGFB1-3754H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 protein(P01137)(Ala279-Ser390) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	279-390 aa
Form	Lyophilized from 0.22µm filtered solution in 50mM Glycine 150mM NaCl (pH 2.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Mature TGF beta 1, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human TGF-beta RII, mFc Tag with the EC50 of 3.8ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 13.2 kDa (monomer). Due to glycosylation, the protein migrates to 14-15 kDa (monomer) under reduced (R) condition and 26-30 kDa (dimer) under Non reduced (N) condition based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution 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

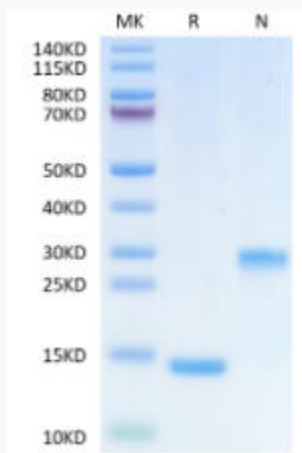
UniProt ID P01137

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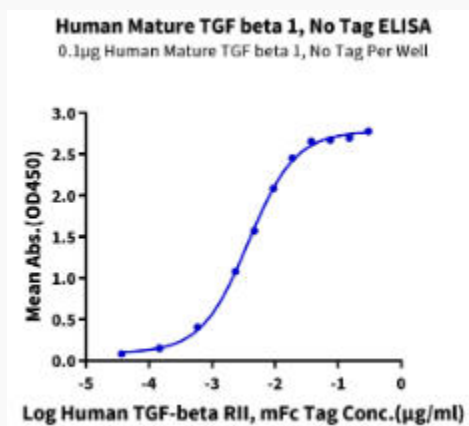
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Bis-Tris PAGE



ELISA Data



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