

Recombinant Human TGFB1 Protein(Leu30-Arg278(C33S)), His-tagged

Cat. No. TGFB1-3753H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 Protein(Leu30-Arg278(C33S))(P01137) is expressed from HEK293 with His tag at the N-Terminus.
Species	Human
Source	HEK293
ProteinLength	Leu30-Arg278(C33S)
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human LAP (TGF beta 1) , His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB6, His Tag with the EC50 of 1.0µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 31.4 kDa. Due to glycosylation, the protein migrates to 38-48 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
Storage	-20 to -80°C for 12 months as supplied from date of receipt.

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-80°C for 3-6 months after reconstitution.

2-8°C for 2-7 days after reconstitution.

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

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. 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

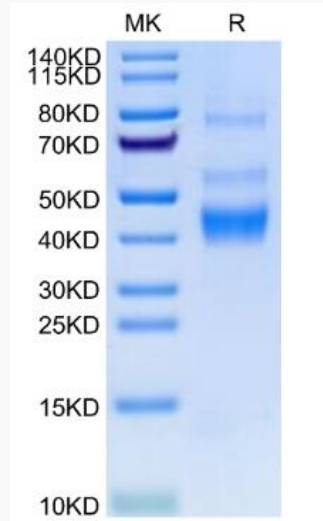
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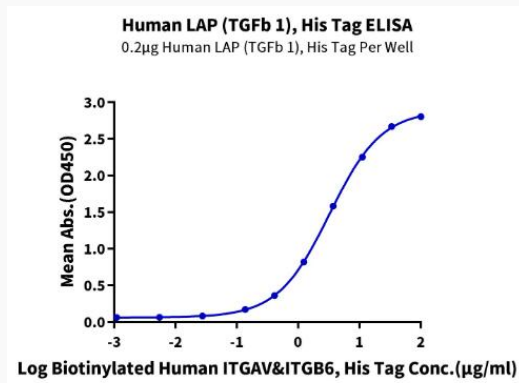
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Tris-Bis PAGE



ELISA



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