

Recombinant Human TGFB1 protein

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	Ala279-Ser390
Tag	Non
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 1ug/ml (100ul/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. Due to glycosylation, the protein migrates to 14-15 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

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Storage Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Reconstitution Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 50mM Glycine 150mM NaCl (pH 2.5).

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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