

Active Recombinant Human TGFB1 Protein

Cat. No. TGFB1-153H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFB1 Protein(NP_000651.3)(Ala 279-Ser 390) was expressed in CHO Stable Cells.
Species	Human
Source	CHO
ProteinLength	Ala 279-Ser 390
Form	Lyophilized from sterile 100mM GLY, 10mM NaCl, pH 3.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit cell proliferation of Mv-1-lu mink lung epithelial cells. The ED50 for this effect is typically 0.04-0.2 ng/mL.
Molecular Mass	The recombinant human / rhesus / cynomolgus / canine TGFβ1 consists of 112 amino acids and has a calculated molecular mass of 12.8 kDa. it migrates as an approximately 13 & 26 kDa band in reduced and non-reduced SDS-PAGE respectively, corresponding to the monomer and homodimer.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE.

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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