

Active Recombinant Human TGFB1 protein

Cat. No. TGFB1-120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TGFB1 protein(NP_000651.3) (Ala 279-Ser 390) was expressed and purified in CHO. Human, Rhesus and Canine TGFβ1 sequences are identical.
Species	Human
Source	CHO
ProteinLength	279-390 aa
Form	Lyophilized from sterile 0.1% TFA,26% ACN,pH3.0,5% trehalose, 5% mannitol.
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/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	> 88 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

 Tel: 1-631-559-9269 1-516-512-3133

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aliquot the protein into smaller quantities 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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