

Active Recombinant Human TGFB1 protein, His-tagged

Cat. No. TGFB1-2682H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Latent TGF-beta 1(C33S) Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu30-Ser390(C33S)) of human TGF-beta 1 (Accession #NP_000651.3) fused with an 8×His tag at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	Leu30-Ser390(C33S)
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its ability to inhibit cell proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.5-2 ng/mL. 2.Measured by its binding ability in a functional ELISA. Immobilized recombinant human TGFB1 at 2 µg/mL (100 µL/well) can bind recombinant human TGFBR2 with a linear range of 1-5 ng/mL.
Molecular Mass	13&42&60kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.

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Storage Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Reconstitution Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile 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](#)

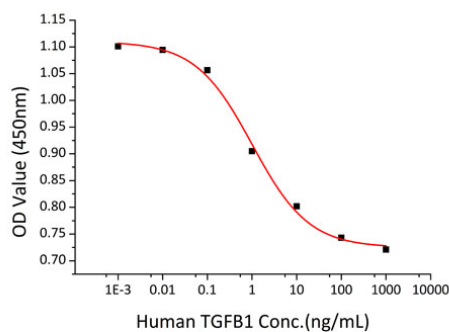
UniProt ID [P01137](#)

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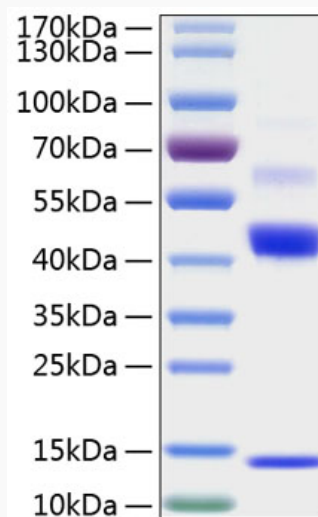
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Bio-activity



SDS-PAGE



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