

Catalog No.: RP00451 **Recombinant** **1 Publications**

Species	Gene ID	Swiss Prot
Human	7040	P01137

No tag

TGFB1; CED; DPD1; LAP; TGFB; TGFbeta;
transforming growth factor beta-1;TGF-
beta
1;CED;DPD1;LAP;TGFB;TGFbeta;TGF-β

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.2 μ m filtered solution of 50 mM Glycine 50 mM NaCl pH4.0. Contact us for customized product form or formulation.

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

This protein belongs to a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

Recombinant Human TGF-beta 1/TGFB1 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Ala279-Ser390) of human TGF-beta 1/TGFB1 (Accession #P01137).

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

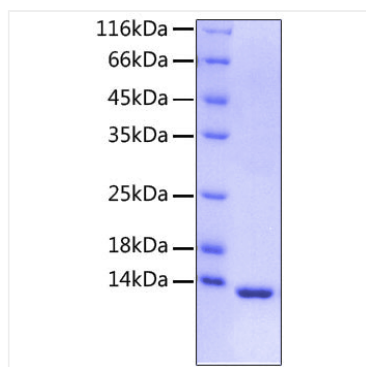
Avoid repeated freeze/thaw cycles.

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Validation Data



Recombinant Human TGF-beta 1/TGFB1
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.