

Recombinant Mouse Mature TGF-beta 1 Protein

Catalog No.: RP02523 **Recombinant** **2 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	21803	P04202

Tags

C-His

Synonyms

TGF-beta1;Tgfb;Tgfb-1;TGFbeta1;CED;DPD1;LAP;TGFB;TGFbeta;TGFB1

Product Information

Source	Purification
<i>E. coli</i>	> 98% by SDS-PAGE.

Calculated MW	Observed MW
13.78 kDa	17 kDa

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Transforming growth factor beta 1 or TGF-β1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines. It is a secreted protein that performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation, and apoptosis. In humans, TGF-β1 is encoded by the TGFB1 gene.

Basic Information

Description

Recombinant Mouse Mature TGF-beta 1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence of Mouse Mature TGF-beta 1 (Accession #) fused with polyhistidine tag at the C-terminus

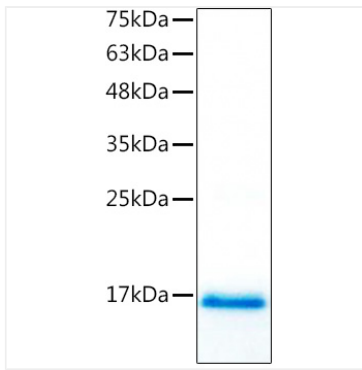
Bio-Activity

Measured by its ability to inhibit the IL-4 dependent proliferation in HT-2 cells. The ED₅₀ for this effect is <0.1 ng/mL.

Storage

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.

Validation Data



Recombinant Mouse TGF-beta 1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 17 kDa.