

RP02523

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# Recombinant Mouse TGF-beta 1 Protein

Catalog No.: RP02523

Recombinant

1 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
E. coli	> 98% by SDS-PAGE.

### 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 freeze-thaw cycles.

## 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 TGF beta 1 Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Mouse TGF beta 1 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 ED<sub>50</sub> for this effect is <0.1 ng/mL.

### 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. Avoid repeated freeze/thaw cycles.

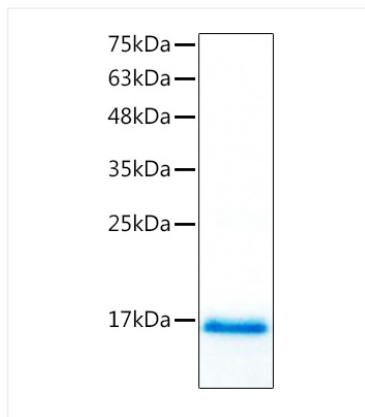
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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