

# Recombinant Mouse TGFβ1/TGFB1 Protein

RPES3406

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES3406

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 0.01 EU per µg of the protein as determined by the LAL method.

**Synonyms:** CED, CEDLAP, DPD1, TGF-b1, TGF-beta 1 protein, TGF-beta-1, TGFB, TGFB1, TGFbeta, latency-associated peptide, transforming growth factor beta-1

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** None

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured by its ability to inhibit IL-4-dependent proliferation of TF- 1 human erythroleukemic cells. The ED50 for this effect is 5-25 pg/ml.

**Calculated MW:** 12.8 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 4mM HCl. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 13 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Measured by its ability to inhibit IL-4-dependent proliferation of TF- 1 human

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

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**Accession:** P04202

**Source:** HEK293 Cells-derived Mouse TGF $\beta$ 1/TGFB1 protein Ala279-Ser390

**Sequence:** Ala279-Ser390

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.