

## Recombinant Mouse Tgfb1 protein, His-tagged

**Cat. No.** Tgfb1-520M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Tgfb1 protein(P04202)(Met1-Ser390), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Met1-Ser390                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.                                              |
| <b>Molecular Mass</b>   | The recombinant mouse Latent TGFB1 comprises 372 amino acids and has a predicted molecular mass of 42.7 kDa. The apparent molecular mass of the protein is approximately 15, 41 and 54 kDa in SDS-PAGE under reducing conditions, corresponding to mature TGFβ1, LAP protein and latent TGFβ1 respectively due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C                                                                                                                                                                                                                                                |

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Tgfb1 transforming growth factor, beta 1 [ Mus musculus ]

**Official Symbol** Tgfb1

**Synonyms**

TGFB1; transforming growth factor, beta 1; transforming growth factor beta-1; TGF-beta 1; TGF-beta-1; regulatory protein; transforming growth factor-beta 1; Tgfb; Tgfb-1; TGFbeta1; TGF-beta1;

**Gene ID** 21803

**mRNA Refseq** NM\_011577

**Protein Refseq** NP\_035707

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