

# Active Recombinant Mouse TGF-beta 1 Protein

**Cat. No.** TGFb1-33M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Tgfb1 Protein is produced by CHO Cells expression system.                                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Ala279-Ser390                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered solution in HCl with BSA as a carrier protein.                                                                                                                                                                                       |
| <b>Bio-activity</b>     | Measured by its ability to inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. Tsang, M. et al. (1995) Cytokine 7:389. The ED50 for this effect is 0.04-0.2 ng/mL.                                                                                          |
| <b>Molecular Mass</b>   | 12.8 kDa (monomer)                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | <0.01 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                     |
| <b>Purity</b>           | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain                                                                                                                                                                                              |
| <b>Storage</b>          | Avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 centigrade as supplied.<br>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.<br>3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

Reconstitute at 50 µg/mL in 4 mM HCl containing at least 0.1% human or bovine serum albumin.

**GENE INFORMATION****Gene Name**

Tgfb1 transforming growth factor, beta 1 [ Mus musculus ]

**Official Symbol**

TGFB1

**Synonyms**

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

**Gene ID**

21803

**mRNA Refseq**

NM\_011577

**Protein Refseq**

NP\_035707

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