

Active Recombinant Mouse Tgfb1 protein

Cat. No. TGFB1-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tgfb1 protein(Ala279-Ser390) was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	279-390 aa
Form	Lyophilized from a 0.2 µm filtered solution of 50 mM Glycine,150 mM NaCl, pH3.5.
Bio-activity	Measured by its ability to inhibit the IL-4-dependent proliferation of HT-2 Mouse T cells. The ED50 for this effect is 0.054-0.214 ng/mL, corresponding to a specific activity of $4.7 \times 10^6 \sim 1.85 \times 10^7$ units/mg.
Molecular Mass	12.81 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 95 % as determined by SDS-PAGE.
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.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL

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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.

GENE INFORMATION

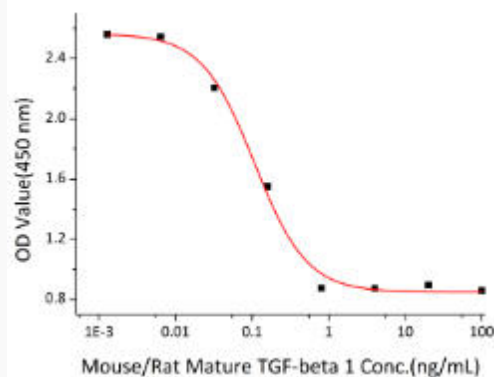
Gene Name	Tgfb1 transforming growth factor, beta 1 [Mus musculus]
Official Symbol	Tgfb1
Synonyms	TGFB1; transforming growth factor, beta 1; transforming growth factor beta-1; TGF-beta 1; TGF-beta-1; regulatory protein; transforming growth factor-beta 1; Tgfb; Tgfb-1; TGFbeta1; TGF-beta1;
Gene ID	21803
mRNA Refseq	NM_011577
Protein Refseq	NP_035707

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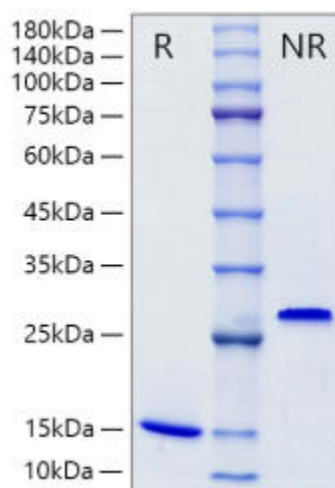
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Activity



SDS-PAGE



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