

Active Recombinant Mouse/Rat TGFB1 protein

Cat. No. TGFB1-153R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse/Rat TGFB1 protein(Ala 279 - Ser 390) was expressed in HEK293.
Species	Mouse/Rat
Source	HEK293
ProteinLength	Ala 279 - Ser 390
Form	Lyophilized from 0.22 µm filtered solution in 50 mM HAC, pH3.0, 10% trehalose.
Bio-activity	Immobilized Mouse / Rat TGFB1, Tag Free at 0.2 µg/mL (100 µL/well) can bind Biotinylated Mouse TGF-beta RII, His,Avitag with a linear range of 1-20 ng/mL.
Molecular Mass	This protein carries no tag.The protein has a calculated MW of 12.8 kDa. The protein migrates as 13 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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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]
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Official Symbol	TGFB1
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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;
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Gene ID	21803
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mRNA Refseq	NM_011577
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Protein Refseq	NP_035707
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