

Product Information

Recombinant Rat Tgfb1, His tagged

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Catalog#	MK0722R
Product Name	Recombinant Rat Tgfb1, His tagged
Product Overview	Recombinant Rat Tgfb1 (P17246) (Met1-Ser390), fused with a polyhistidine tag at the C-terminus, was produced in HEK293 cells.
Description	Transforming growth factor beta 1 (TGFβ1) is a member of the large transforming growth factor beta superfamily of cytokines, and serves as a multifunctional molecule performing actions in many cellular functions, including the control of cell growth, cell proliferation, cell differentiation and apoptosis. TGFβ1 was first synthesized as a 390 amino acid precursor. The secreted proprotein contains 360 aa, and is cleaved into mature TGFβ1(112 aa) and latency-associated peptide (LAP)(248 aa), which
Source	HEK293 cells
Species	Rat
Tag	His
Formulation	Lyophilized from a sterile solution of PBS, pH 7.4, 5%~8% trehalose and mannitol.
Purity	>90% as determined by SDS-PAGE.
Storage	Store under sterile conditions at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.
Molecular Mass	The recombinant rat Latent TGFB1 comprises 372 amino acids and predicts a molecular mass of 42.7 kDa. The apparent molecular mass of the recombinant protein is approximately 55, 38 and 16 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Endotoxin	Less than 1.0 EU per µg as determined by the LAL method.
Notes	Research Use Only. Not for use in clinical procedures. Avoid repeated freeze-thaw cycles.