


Mouse/Rat TGF beta 1, His tag (Animal-Free)

Cat #: PRP1171

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse/Rat TGF beta 1, His tag (Animal-Free)		
REF	Catalog Number: PRP1171	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: The transforming Growth Factors beta (TGF beta) family of cytokines are ubiquitous, multifunctional, and essential to survival. They play the central roles in growth, development, inflammation, repair, and host immunity. The mammalian TGF beta isoforms (TGF beta 1, beta 2 and beta 3) are secreted as potential precursors and possess a variety of cell surface receptors and produces at least two mediate signal transductions.

Sequence: Amino acid sequence derived from Mouse/Rat TGF beta 1 (Ala279-Cys390) (Mouse:P04202, Rat:P17246) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Mouse/Rat TGF beta 1 consists of 112 amino acids and predicts a molecular mass of 13.8 kDa.

Biological Activity: Measured by its ability to inhibit the IL-4 dependent proliferation in HT-2 cells. The ED₅₀ for this effect is <0.1 ng/mL.

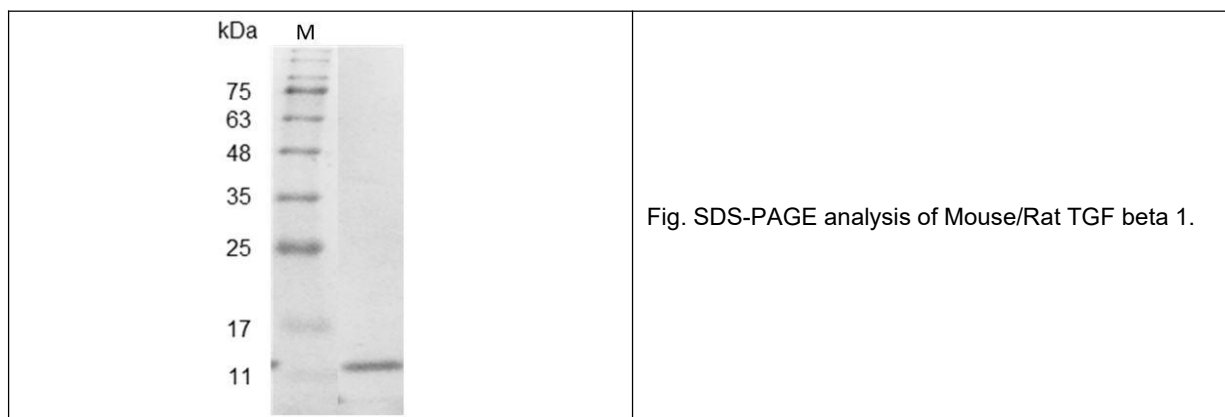
Endotoxin: <0.1 EU per µg of the protein by the LAL method.

Formulation: Lyophilized from sterile 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully

dissolve. Please avoid vortex vigorously.



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