


Human TGF-β3 protein, His tag (Animal-Free)

Cat #: PRP1069

Size: 5μg/20μg/100μg/1mg

Product Information

	Product Name: Human TGF-β3 protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1169	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: TGF-β3 (transforming growth factor-β3) is a member of a TGF-beta superfamily subgroup that performs many cellular functions. TGF-β3 has a role in embryogenesis and cell differentiation. TGF-β3 also plays a critical role in palatogenesis, the wound healing process. TGF-β3 is important in embryonic development, scarless repair of injury in the embryo, adult wound healing and tissue homeostasis. It has an important role in regulating cell migration, angiogenesis, epithelial-mesenchymal transition, apoptosis, modulation of immune function, extracellular matrix (ECM) production and the regulation of ECM remodelling; biological processes that are often required for tumour growth and maintenance.

Sequence: Amino acid sequence derived from Human TGF-β3 protein (Ala301-Ser412) was expressed with 6xHis tag at the C-terminus.

Protein length: The recombinant Human TGF-β3 consists of 112 amino acids and predicts a molecular mass of 13.66 kDa.

Biological Activity: Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED₅₀ for this effect is <50 pg/mL. The specific activity of recombinant human TGF-β3 is > 2 x 10⁷ IU/mg.

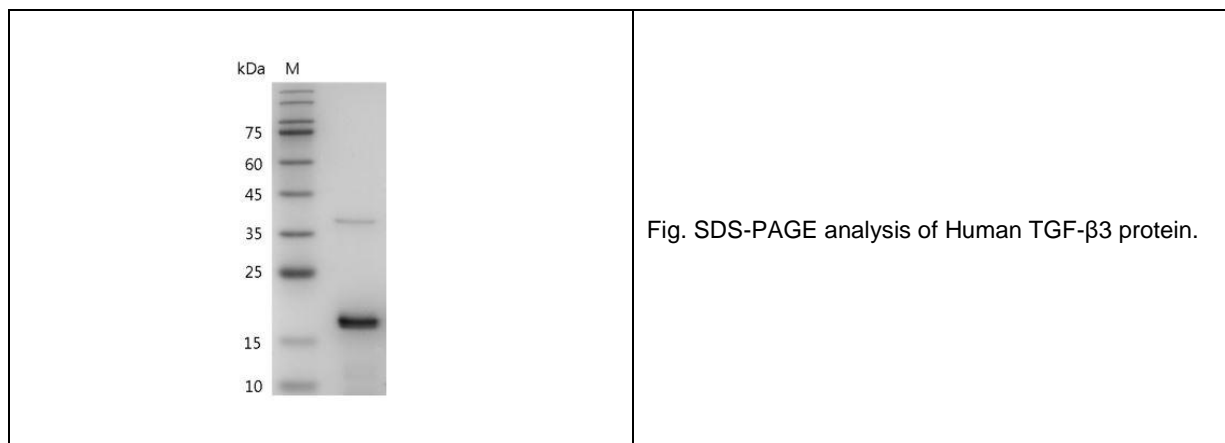
Endotoxin: < 0.1 EU per μg of the protein as determined by the LAL method.

Formulation: The protein was lyophilized from 0.01% sarkosyl in 1X PBS, pH 8.0.

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 Human

TGF- β 3 protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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