


Human TGF- β 3 Protein

Cat #: PRP1046

Size: 10 μ g/50 μ g/500 μ g

Product Information

	Product Name: Human TGF- β 3 Protein		
REF	Catalog Number: PRP1046	LOT	Lot Number: Refer to product label
	Purity: >95% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: TGF- β 3 (transforming growth factor- β 3) is a member of a TGF- β superfamily subgroup that performs many cellular functions. TGF- β 3 has a role in embryogenesis and cell differentiation. TGF- β 3 also plays a critical role in palatogenesis, the wound healing process. TGF- β 3 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- β 3 (Ala301-Ser412) was expressed.

Protein length: The recombinant human TGF- β 3 consists of 112 amino acids and predicts a molecular mass of 12.7 kDa.

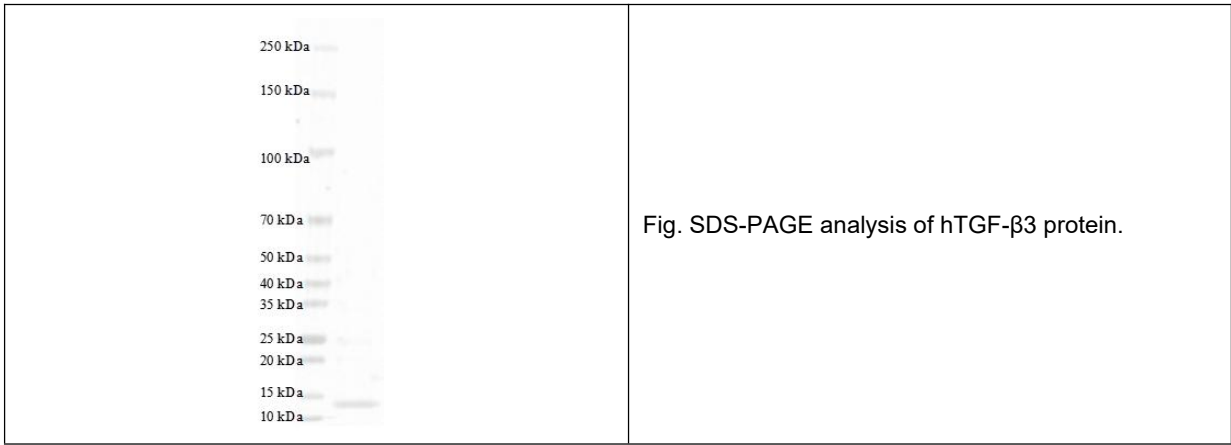
Biological Activity: Testing in progress.

Endotoxin: < 1 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from 20 mM Tris-HCl pH8.0, 50 mM NaCl, 0.5 mM EDTA.

Storage Instructions: Lyophilized recombinant Human TGF- β 3 protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant human TGF- β 3 protein using the buffer we provided not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.



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