


Recombinant Human TGF- α protein

Cat #:PRP1024

Size: 20 μ g /100 μ g/500 μ g /1mg

Product Information

	Product Name: Recombinant Human TGF- α protein		
	Reconstitution: Use the buffer we provided to reconstitute the lyophilized Human TGF- α protein		
REF	Catalog Number: PRP1024	LOT	Lot Number: Refer to product label
	Purity: $\geq 98\%$ as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: TGF- α is an EGF-related polypeptide growth factor that signals through the EGF receptor, and stimulates the proliferation of a wide range of epidermal and epithelial cells. It is produced by monocytes, keratinocytes, and various tumor cells. TGF- α is a well-characterized mammalian growth factor that might contribute to the development of cleft lip and palate (CL/P).

Sequence: Amino acid sequence derived from Human TGF- α isoform (P01135)(Val40-Ala89) was expressed.

Protein length: The recombinant human TGF- α consists of 50 amino acids and has a predicted molecular mass of 5.5 kDa. The apparent molecular mass of the human TGF- α protein is approximately 5.5 kDa in SDS-PAGE under reducing conditions .

Biological Activity: Testing in progress.

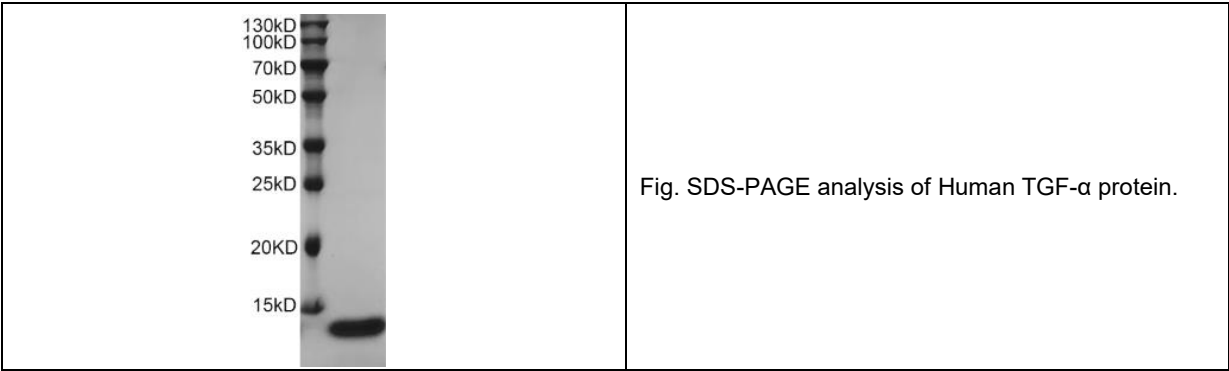
Endotoxin: < 0.1 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris, 50 mM NaCl pH 6.5.

Storage Instructions: Lyophilized Human TGF- α protein product should be stored desiccated below -18°C for 12 months. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and below -18°C for 3 months . For long term storage it is recommended to add a carrier protein (example 0.1% HSA or BSA), aliquot and store below -18°C, Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening . It is recommended to centrifuge at 12,000 rpm for 1 minute. Then

reconstitute the lyophilized Human TGF- α protein with 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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