

Human TGF- α Protein, His tag (Animal-Free)

Cat #: PRP1004

Size: 20 μ g/100 μ g/500 μ g/1 mg

Product Information

	Product Name: Human TGF- α Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1004	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: Transforming Growth Factors alpha (TGF- α) is mainly expressed from brain, skin, epithelial cell (pancreatic endocrine cells, urothelial cells, oligodendrocyte precursor cells, etc.). TGF- α is a regulator of cell proliferation and differentiation via bind to the EGFR and to act synergistically with TGF β . TGF- α also associates with myriad forms of cancer.

Sequence: Amino acid sequence derived from Human TGF- α (Val40-ALa89) (P01135) was expressed with 6 $\times$ His tag at the C-terminus.

Protein length: The recombinant Human TGF- α consists of 50 amino acids and predicts a molecular mass of 6.49 kDa.

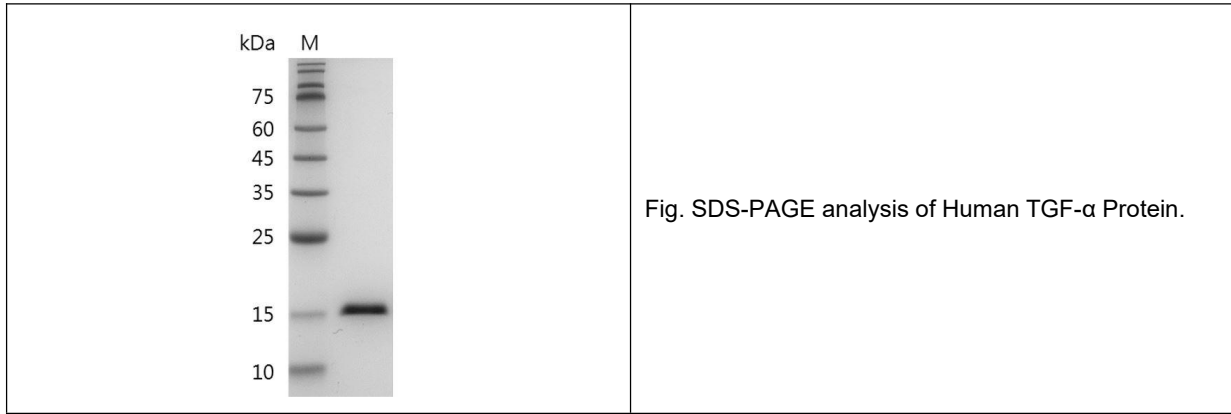
Biological Activity: Measured by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <0.2 ng/mL.

Endotoxin: <0.1 EU per 1 μ g of the protein by the LAL method.

Formulation: Lyophilized from 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 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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