

Human TGF- β 2 Protein, His tag (Animal-Free)

Cat #: PRP1007

Size: 5 μ g/20 μ g/100 μ g/1 mg

Product Information

	Product Name: Human TGF- β 2 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1007	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 beta 2 (TGF- β 2) is a member of the epidermal Growth Factors with 112 amino acid residues. TGF- β 2 is expressed from throughout the body. TGF- β 2 is a regulator of cell proliferation, differentiation, apoptosis, cell plasticity and migration, etc. TGF- β 2 also associates with various kinds of diseases, such as cancer and tissue fibrosis.

Sequence: Amino acid sequence derived from Human TGF- β 2 (Ala 303-Ser 414) (P61812-1) was expressed with 6 $\times$ His tag at the C-terminus.

Protein length: The recombinant Human TGF- β 2 consists of 112 amino acids and predicts a molecular mass of 13.66 kDa.

Biological Activity: Measured by its ability to inhibit IL-4 induced proliferation in HT-2 cells. The ED₅₀ for this effect is <0.2 ng/mL.

Endotoxin: <0.01 EU per 1 μ g of the protein by the LAL method.

Formulation: Lyophilized from sterile solution containing 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, 0.1%BSA or 5% trehalose solution). 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 sterile 10 mM HCl, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.

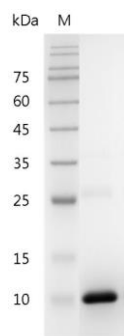


Fig. SDS-PAGE analysis of Human TGF-β2 Protein.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.