


Human IL-32 α Protein, His tag (Animal-Free)

Cat #: PRP1904

Size: 5 μ g/20 μ g/100 μ g/1 mg

Product Information

	Product Name: Human IL-32 α Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1904	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: Interleukin 32 alpha (IL-32 α) is an 18 kDa cytokine with 131 amino acid residues and one of the IL-2 splice variants. IL-32 α is primarily secreted from inflammatory cells, such as NK cells, T-cells, peripheral blood mononuclear cells (PBMCs), and monocytes. IL-32 alpha is a proinflammatory cytokine regulating IL-6 by interaction with protein kinase C(PKC). It also interacts with paxillin, integrin, and focal adhesion kinase 1 (FAK 1).

Sequence: Amino acid sequence derived from Human IL-32 alpha (Met 1-Lys 131) (P24001-4) was expressed with 6 \times His tag at the C-terminus.

Protein length: The recombinant Human IL-32 α Protein consists of 131 amino acids and predicts a molecular mass of 14.9 kDa.

Biological Activity: Measured by its ability to induce TNF alpha secretion in RAW264.7 cells. The ED₅₀ for this effect is <10 μ g/mL.

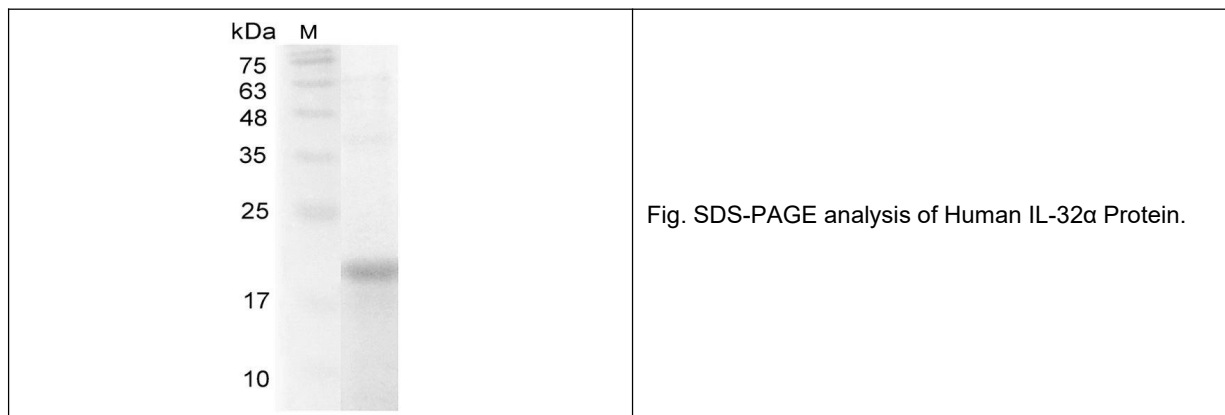
Endotoxin: <0.1 EU per μ g of the protein by the LAL method.

Formulation: Lyophilized from sterile 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.



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.