


Human IL-31 Protein, His tag (Animal-Free)

Cat #: PRP1935

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-31 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1935	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 31 (IL-31) is mainly secreted from activated CD4+ T cells and binds to a receptor called IL-31RA. Upon binding to 31RA, IL-31 activates several signal pathways like MAPK, PI3K/AKT, and Jak/STAT pathways. It is critical in regulating many biological functions, such as cell proliferation, hematopoiesis, induction of cytokines, inflammation, and immune response.

Sequence: Amino acid sequence derived from Human IL-31 (Ser24-Thr164) (Q6EBC2) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-31 Protein consists of 141 amino acids and predicts a molecular mass of 16.78 kDa.

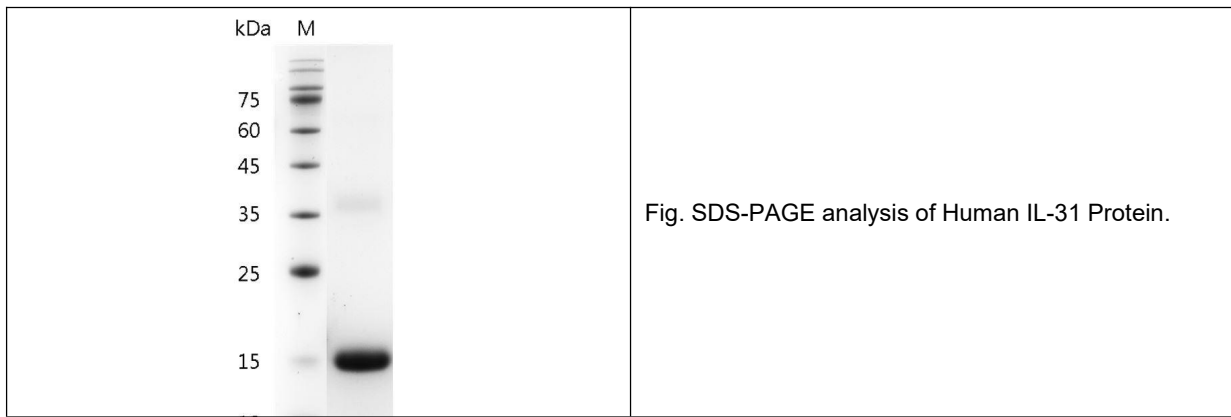
Biological Activity: Measured by its ability to induce A549 cells proliferation. The ED₅₀ for this effect is < 40 ng/mL.

Endotoxin: <0.1 EU per 1 µg 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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