


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

Cat #: PRP1176

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IL-31 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1176	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: IL-31 is a T-cell derived cytokine that shares several structural and functional characteristics with IL-6, Oncostatin M, LIF, and Cardiotrophin-1. It signals through a receptor complex comprised of GPL (GP130-like, IL-31RA) and OSMR (Oncostatin M receptor). GPL/OSMR signaling is a strong activator of STAT3 and STAT5, and can also activate STAT1, Jak1, and Jak2 signaling pathways. IL-31 regulated immune responses have been implicated in skin physiology and inflammatory skin diseases.

Sequence: Amino acid sequence derived from Mouse IL-31 (Cys 25-Cys 163) (Q6EAL8) was expressed with 6×His tag and a Met at the C-terminus.

Protein length: The recombinant Mouse IL-31 consists of 139 amino acids and predicts a molecular mass of 16.56 kDa.

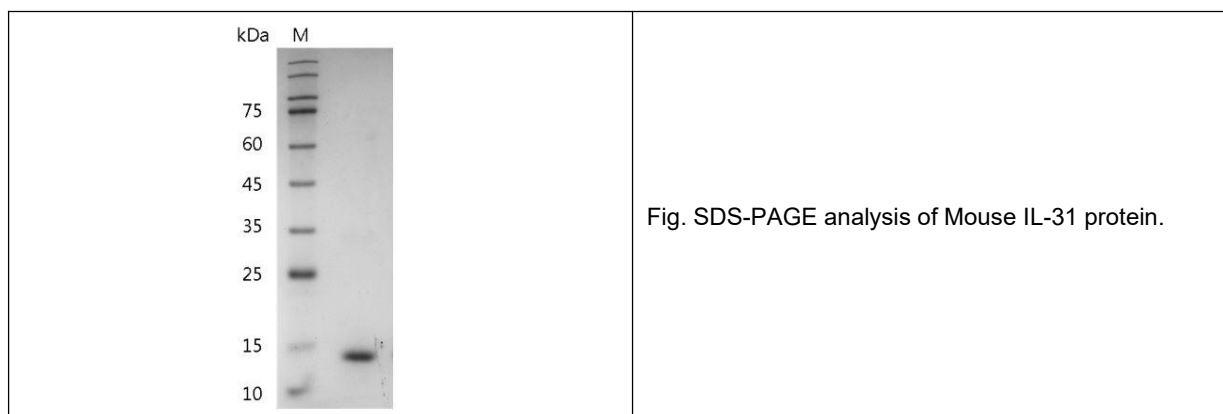
Biological Activity: Testing in process.

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

Formulation: Lyophilized from PBS, pH 7.4.

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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