

Mouse IL-38 protein, His tag (Animal-Free)

Cat #: PRP1177

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IL-38 protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1177	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: IL-38 (IL-1F10) mRNA is expressed in the heart, placenta, fetal liver, spleen, thymus, and tonsils. The expression of IL-1F10 in various immune tissues and its similarity with IL-1Ra indicate that IL-1F10 plays a role in inflammatory response. According to reports, removing interleukins from the IL-1F family, such as IL-1F5/6/8 or 9 (also known as IL-36Ra, IL-36) α、IL-36 β Or IL-36 γ). The n-terminal domain of is crucial for enhancing its biological activity. Recent studies have shown that IL-38 is processed and secreted by the N-terminus of apoptotic cells. The released processed IL-38 (20-152) and receptor interleukin-1 receptor associated protein like 1(IL1RAPL1;TIGIRR-2) are present on the surface of macrophages. Processed IL-38 activated IL-1RAPL1 reduces IL-6 production, leading to reduced inflammation.

Sequence: Amino acid sequence derived from Mouse IL-38 (Met 1-Arg 152) (Q8R459) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Mouse IL-38 consists of 152 amino acids and predicts a molecular mass of 17.89 kDa.

Biological Activity: Testing in process.

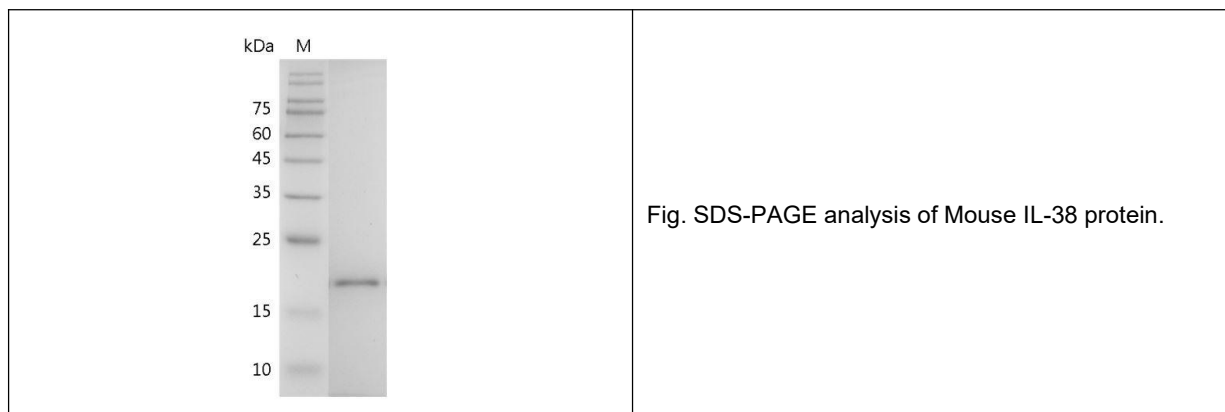
Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

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.



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.