


Mouse IL-18 Protein, His tag (Animal-Free)

Cat #: PRP1167

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IL-18 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1167	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 18(IL-18), also known as interferon gamma inducible factor, is a pro-inflammatory cytokine that in humans is encoded by the IL-18 gene.IL-18 belong to the IL-1 superfamily and are secreted by macrophages and other cells. Upon IL-18 stimulation,natural killer (NK) cells and some T cells release another important cytokine,interferon-gamma or type II interferon,this in turn activates macrophages or other cells.IL-18 induces a severe inflammatory response, as well as increased production of amyloid (which is associated with Alzheimer's disease)in human neurons.

Sequence: Amino acid sequence derived from Mouse IL-18 (Met 36-Asn 192) (P70380) was expressed with 6×His tag and a Met at the C-terminus.

Protein length: The recombinant Mouse IL-18 Protein consists of 157 amino acids and predicts a molecular mass of 19.1 kDa.

Biological Activity: Measured by its ability to induce IFN gamma secretion in KG-1 cells.The ED₅₀ for this effect is <0.5 µg/mL.

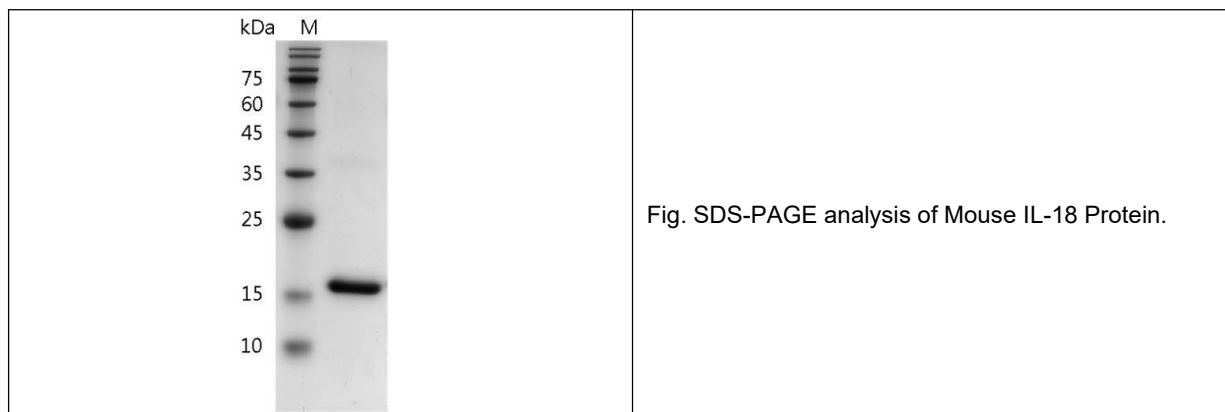
Endotoxin: <0.1 EU per µg of the protein by the LAL method.

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.



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