


## Mouse IL-13 Protein, His tag (Animal-Free)

Cat #: PRP1159

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Mouse IL-13 Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1159	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 95% as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Interleukin 13 (IL-13) with a molecular mass of 10 kDa cytokine, it secreted by T helper type 2 (Th2) cells, CD4 cells, natural killer T cell, mast cells, basophils, eosinophils and nuocytes. It is homologous to IL-4 and shares many of its biologic activities on mononuclear phagocytic cells, endothelial cells, epithelial cells, and B cells.

**Sequence:** Amino acid sequence derived from Mouse IL-13 (Pro22-Phe131) (P20109) was expressed with 6×His tag at the C-terminus.

**Protein length:** The recombinant Mouse IL-13 Protein consists of 110 amino acids and predicts a molecular mass of 13.06 kDa.

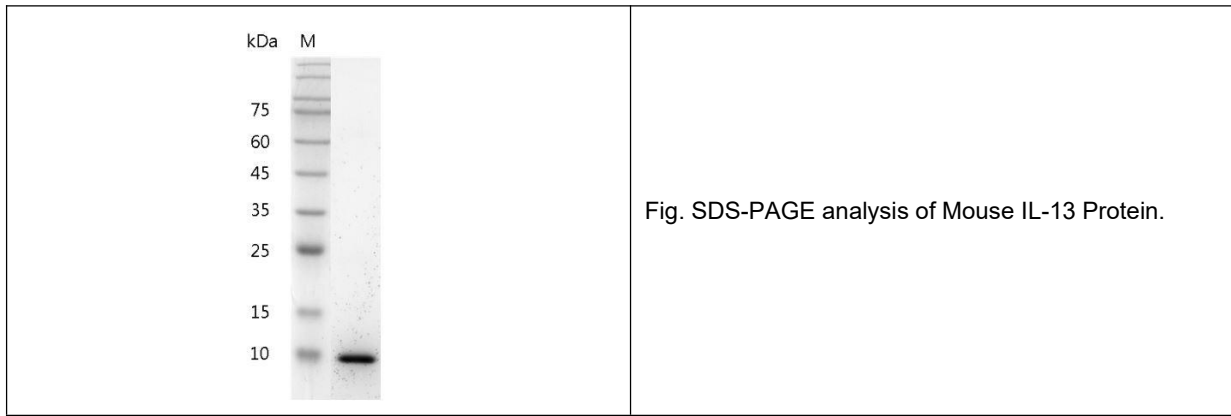
**Biological Activity:** Measured by its ability to induce TF-1 cells proliferation. The ED<sub>50</sub> for this effect is <4 ng/mL.

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

**Formulation:** Lyophilized from sterile 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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