


Mouse IL-30 protein

Cat #: PRP1310

Size: 5ug/20ug/100ug/1mg

Product Information

	Product Name: Mouse IL-30 protein		
REF	Catalog Number: PRP1310	LOT	Lot Number: Refer to product label
	Purity: > 99 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E. coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: IL-30, is a secreted 28 kDa protein that is considered a member of the IL-6/IL-12 interfamily cytokine family. These cytokines utilize heteromeric cell surface receptors which contain shared as well as ligand-specific subunits. Divergent biological responses are obtained from the combinatorial association of cytokine subunits and their interaction with various combinations of receptor subunits. Complexity in this system is increased by the generation of soluble receptors and by the competition between proteins for shared subunit pairing . p28/IL-30 is expressed by macrophages and dendritic cells, and is up-regulated in these cells by inflammatory stimuli . It was first described as a partner with EBI-3 in the heterodimeric cytokine IL-27. IL-27 signals through a receptor complex composed of IL-27 R alpha /WSX-1/TCCR and gp130. This interaction enhances the proinflammatory activation of naïve CD4+ T cells, NK cells, mast cells, and monocytes and the cytotoxic activity of CD8+ T cells . IL-27 also exhibits anti-inflammatory activity, including the induction of IL-10 production by naïve and memory T cells, the activation of regulatory T cells , and the suppression of Th17 cytokine secretion .

Sequence: Amino acid sequence derived from Mouse IL-30 protein (Q8K3I6) (Phe29-Ser234) was expressed.

Protein length: The Recombinant Mouse IL-30 protein consists of 206 amino acids and predicts a molecular mass of 24.9 Kda.

Biological Activity: Testing in progress.

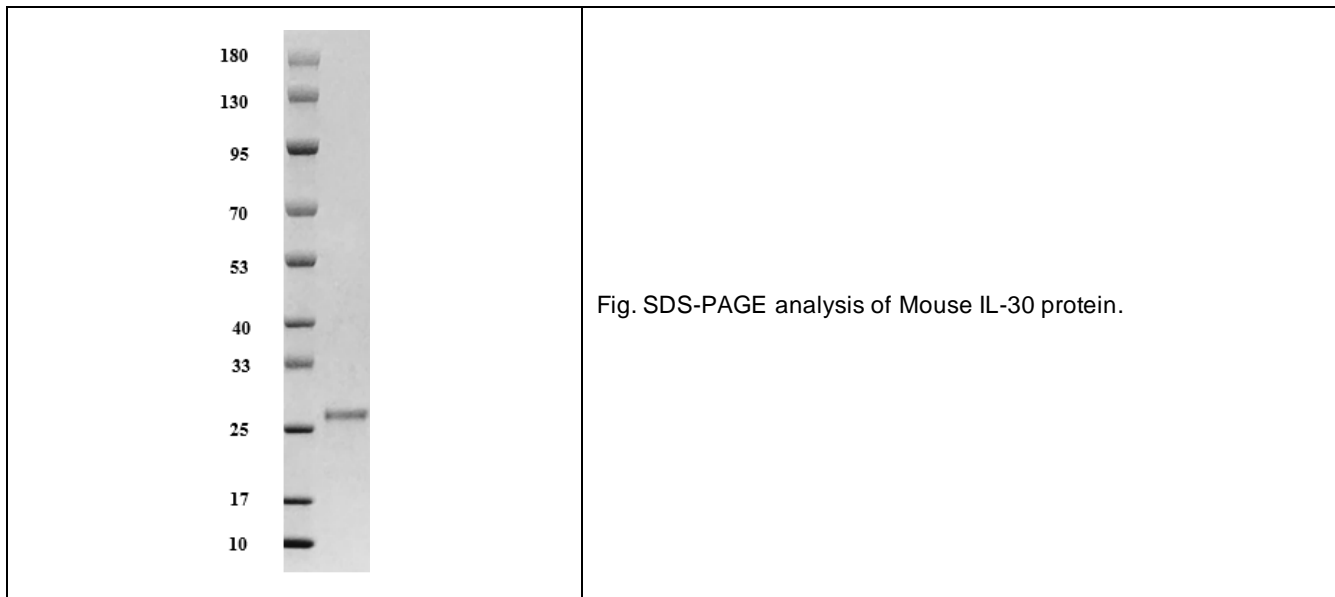
Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris with 150 mM NaCl, pH 7.4.

Storage Instructions: Lyophilized Mouse IL-30 protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it

is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse IL-30 protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



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.