


Mouse IL-17A protein, His tag (Animal-Free)

Cat #: PRP1135

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Mouse IL-17A protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1135	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-17A is a cytokine belonging to the IL-17 family. They control many different cell functions, including proliferation, differentiation and cell survival/apoptosis, but also participate in some pathophysiological processes, including virus infection and autoimmune diseases. The IL-17 cytokine family includes six members, IL-17/IL-17A, IL-17B, IL-17C, IL-17D, IL-17E/IL-25 and IL-17F, which are produced by various cell types. IL-17 regulates the activities of NF-κB and mitogen-activated protein kinase. This cytokine can stimulate the expression of IL-6 and cyclooxygenase -2 (PTGS2/COX-2) and enhance the production of nitric oxide (NO). High levels of IL-17 are associated with several chronic inflammatory diseases, including rheumatoid arthritis, psoriasis and multiple sclerosis.

Sequence: Amino acid sequence derived from Mouse IL-17A (Ala20-Ala158)(Q62386) was expressed with 6×His tag at the C-terminus.

Protein length: The secreted Mouse IL-17A consists of 139 amino acids and has a predicted molecular mass of 15.9 kDa.

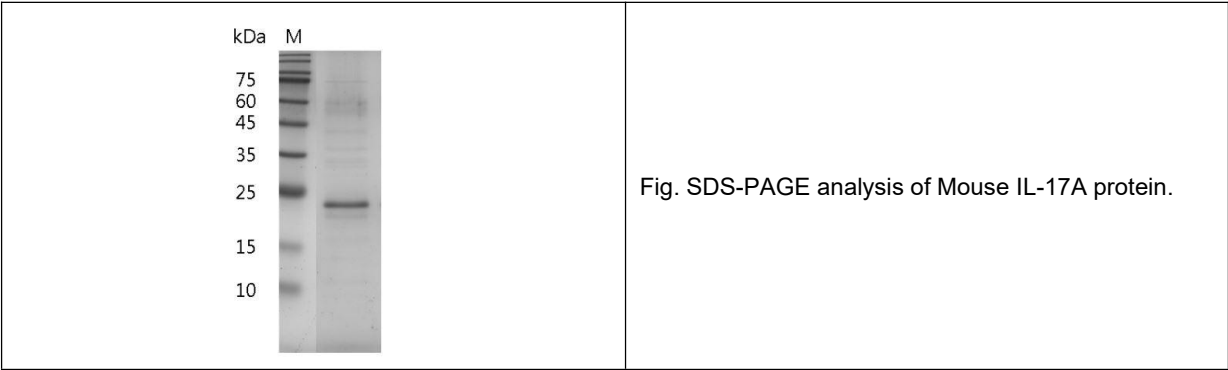
Biological Activity: Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant Mouse IL-17A is > 1 x 10⁶ IU/mg.

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

Formulation: Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.

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 Mouse IL-17A protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, 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.