


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

Cat #: PRP1052

Size: 5 µg/20 µg/100 µg/500 µg

Product Information

	Product Name: Human IL-17A protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1052	LOT	Lot Number: Refer to product label
	Purity: > 98 % 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-17A is an effective pro-inflammatory cytokine produced by activated memory T cells. There are at least 6 members of the IL-17A family in humans and mice. Because IL-17A has the same characteristics as IL-1 and TNF- α , it can induce joint inflammation and bone and cartilage destruction. It increases the production of IL-6, induces collagen degradation and reduces collagen synthesis in synovium and cartilage and proteoglycan synthesis in cartilage. IL-17A can also increase bone destruction and reduce its formation. Blocking IL-17A with specific inhibitors provides protective inhibition of cartilage and bone degradation.

Sequence: Amino acid sequence derived from Human IL-17A protein (ILE20-Ala155) (Q16552) with 6xHis tag at the C-terminus.

Protein length: The secreted Human IL-17A protein consists of 136 amino acids and has a predicted molecular mass of 16.5 kDa.

Biological Activity: Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <6 ng/mL.

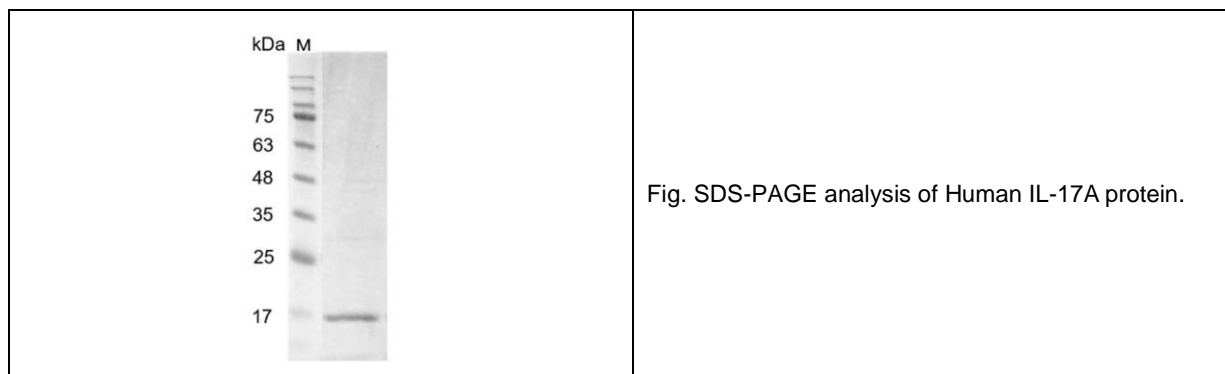
Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

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 Human

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.



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