


## Human IL-17 protein, His Tag

Cat #: PRP100287

Size: 100µg/1mg

### Product Information

	<b>Product Name:</b> Human IL-17 protein, His Tag		
<b>REF</b>	<b>Catalog Number:</b> PRP100287	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> Baculovirus-Insect Cells
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** IL17, also known as IL17a, is a cytokine belongs to the IL-17 family. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Cytokines are synthesized under various stimuli by a variety of cells of both the innate (monocytes, macrophages, dendritic cells) and adaptive (T- and B-cells) immune systems. The IL-17 family of cytokines includes six members, IL-17/IL-17A, IL-17B, IL-17C, IL-17D, IL-17E/IL-25, and IL-17F, which are produced by multiple cell types. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as 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 mature form of human IL17A (Q16552) (Gly24-Ala155) was expressed, with a polyhistidine tag at the N-terminus.

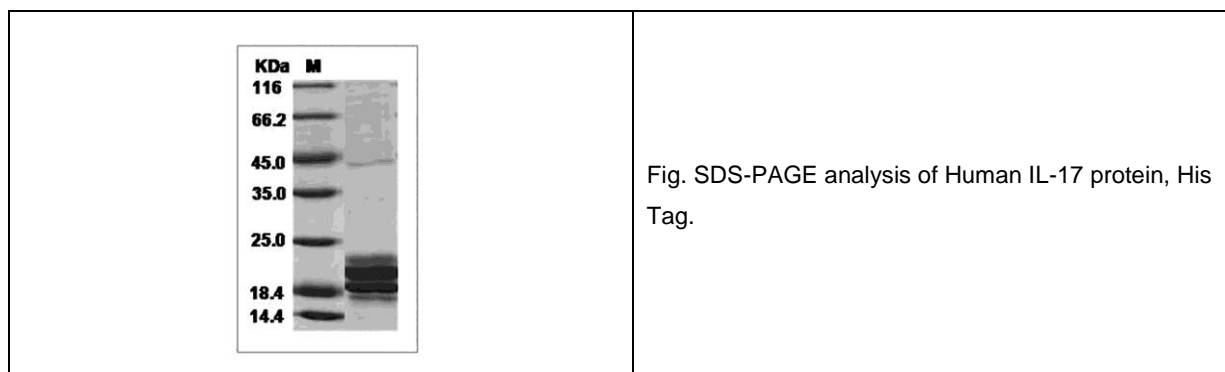
**Protein length:** The recombinant human human IL17A consists of 152 amino acids and predicts a molecular mass of 17.3 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions.

**Formulation:** Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4.

**Storage Instructions:** Lyophilized Human IL17 protein, His Tag 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL17 protein,

His Tag in sterile ddH<sub>2</sub>O 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.