

## Recombinant Human IL17A protein, His & T7-tagged

**Cat. No.** IL17A-870H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL17A aa. (Ile20~Ala155 (Accession # Q16552)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ile20~Ala155
<b>Description</b>	The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine 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 this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 19.4kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Characteristic</b>	The isoelectric point is 9.

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4

## GENE INFORMATION

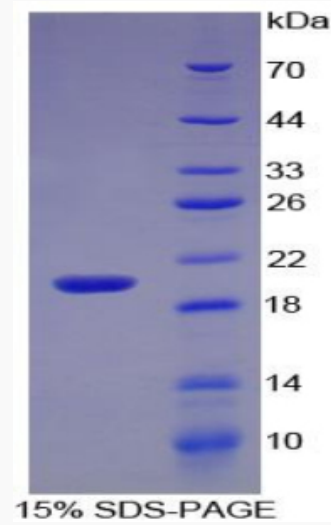
<b>Gene Name</b>	IL17A interleukin 17A [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL17A
<b>Synonyms</b>	IL17A; interleukin 17A; IL17; CTLA8; IL-17; CTLA-8; IL-17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)
<b>Gene ID</b>	3605
<b>mRNA Refseq</b>	NM_002190.2
<b>Protein Refseq</b>	NP_002181.1
<b>UniProt ID</b>	Q16552

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**SDS-PAGE**



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