

## Recombinant Human IL17A, His-tagged

Cat. No. IL17A-63H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human IL17A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	IL17A, also known as Interleukin 17, is a cytokine that acts as a potent mediator in delayed-type reactions by increasing chemokine production in various tissues to recruit monocytes and neutrophils to the site of inflammation. It is produced by T-helper cells and is induced by IL23 which results in destructive tissue damage in delayed-type reactions. This protein is a 155 amino acid protein that is a disulfide-linked, homodimeric, secreted glycoprotein with a molecular mass of 35kDa. The structure of IL17A consists of a signal peptide of 23 amino acids followed by a 123 aa chain region characteristic of the IL17 family. An N-linked glycosylation site on the protein was first identified after purification of the protein revealed two bands, one at 15kDa and another at 20kDa.
<b>Form</b>	Liquid. In phosphate buffered saline (pH 7.4) containing 20% glycerol, 1mM EDTA, 0.1mM PMSF.
<b>Molecular Mass</b>	15.9kDa (138aa) 13.5-28kDa (SDS-PAGE under reducing conditions.)
<b>AA Sequence</b>	GITIPRNP GC P NSEDKNFPR TVMVNLNIHN RNTNTNPKRS SDYYNRSTSP WNLHRNEDPE RYPSVIWEAK CRHLGCINAD GNVDYHMNSV PIQQEILVLR

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REPPHCPNSF RLEKILVSVG CTCVTPIVHH VAHHHHHH

**Endotoxin** < 1.0 eu per 1 microgram of protein (determined by lal)

**Purity** >90% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [IL17A interleukin 17A \[ Homo sapiens \]](#)

**Official Symbol** IL17A

**Synonyms** IL17A; interleukin 17A; CTLA8, IL17, interleukin 17 (cytotoxic T lymphocyte associated serine esterase 8); interleukin-17A; cytotoxic T lymphocyte associated protein 8; IL 17; IL 17A; CTLA-8; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; cytotoxic T-lymphocyte-associated serine esterase 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8); IL17; CTLA8; IL-17; IL-17A;

**Gene ID** [3605](#)

**mRNA Refseq** [NM\\_002190](#)

**Protein Refseq** [NP\\_002181](#)

**MIM** [603149](#)

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<b>UniProt ID</b>	Q16552
<b>Chromosome Location</b>	6p12
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem;
<b>Function</b>	cytokine activity;

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