

## Recombinant Human Interleukin 17A, Fc Chimera

**Cat. No.** IL17A-279H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**

Recombinant Human Interleukin 17A is produced in mammalian cells and fused with human IgG1Fc. IL-17A (C-terminus fused with human IgG1Fc) contains 361 amino acids with predicted MW 40.82kDa x 2 (dimer) and 12 cysteines (Fc has 6). It also has 1 N-link glycosylation site with MW increase up to 5 kDa. Receptor for IL-17A induces stromal cells to produce proinflammatory and hematopoietic cytokines. Enhances the surface expression of the intracellular adhesion molecule-1 (ICAM-1) in fibroblasts.

**Species** Human

**Source** Mammalian Cells

**Description**

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.

**Purity** >90%.

**Quantity** 2.0mg/2ml PBS.

**Availability** Back order, one month for production.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** -70°C

## GENE INFORMATION

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

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

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

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

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

**MIM** [603149](#)

**UniProt ID** [Q16552](#)

**Chromosome Location** 6p12

**Pathway** Cytokine-cytokine receptor interaction

**Function** cytokine activity

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