

## Active Recombinant Human IL17A & IL17F protein(Ile20-Ala155 & Arg31-Gln163)

**Cat. No.** IL17A & IL17F-1259H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL17A (Q16552) (Ile20-Ala155) was expressed in E. coli, constructed the plasmid 1; the Human IL17F (NP_443104.1) (Arg31-Gln163) was expressed, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ile20-Ala155 & Arg31-Gln163
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells in the presense of 20ng/mL TNFα. The ED50 for this effect is 1-6 ng/mL.
<b>Molecular Mass</b>	The recombinant heterodimer of human IL17A & IL17F comprises 271 (137+134) amino acids and has a calculated molecular mass of 30.7 (15.7+15) kDa.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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](#)

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

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