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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	Ile20-Ala155 & Arg31-Gln163
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Purity	> 95 % as determined by SDS-PAGE.
Storage	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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