

Active Recombinant Human IL17A protein

Cat. No. IL17A-307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL17A protein(Q16552)(Met1-Ala155) was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Met1-Ala155
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human IL17A at 10 µg/ml (100 µl/well) can bind human IL17Ra, The EC50 of human IL17Ra is 20.0-48.0 ng/ml. 2. 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 0.2-1ng/mL.
Molecular Mass	The recombinant human IL17A consists of 132 amino acids and predicts a molecular mass of 15.1 KDa. It migrates as an approximately 16, 19, and 20 KDa band in SDS-PAGE under reducing conditions due to different glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
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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