Recombinant Human IL17A Protein

Cat. No. IL17A-48H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This recombinant protein contains full length of Human interleukin 17A without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The lung damage induced by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL17A.

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Form	Affinity purified, liquid
Molecular Mass	17.5 kDa
Purity	>95% pure by SDS-PAGE
Applications	Suitable for use in ELISA, WB and other immune tests
Storage	Upon receipt, store at 2-8 centigrade.
Storage Buffer	Phosphate saline, pH 8, and 8 M Urea
Full Length	Full L.

GENE INFORMATION

Gene Name	IL17A interleukin 17A [Homo sapiens (human)]
Official Symbol	IL17A
Synonyms	IL17A; interleukin 17A; IL17; CTLA8; IL-17; ILA17; CTLA-8; IL-17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8); interleukin-17
Gene ID	3605
mRNA Refseq	NM_002190
Protein Refseq	NP_002181

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MIM	603149
UniProt ID	Q16552

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