

Recombinant Human IL17RA Protein, His-tagged

Cat. No. IL17RA-041H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human IL17RA Protein with His tag was expressed in E. coli.

Species Human

Source E.coli

Description

The IL-17 family of cytokines consists of IL-17A-F, and their receptors include IL-17RA-RE. IL-17 cytokines are produced by a variety of cell types including the Th17 subset of CD4+ T cells, as well as subsets of $\gamma\delta$ T cells, NK cells, and NKT cells. IL-17A and IL-17F, the most well-studied of the IL-17 cytokines, contribute to fungal and bacterial immunity by inducing expression of proinflammatory cytokines, chemokines, and antimicrobial peptides. In addition, IL-17A contributes to the pathogenesis of several autoimmune disease. IL-17E promotes Th2 cell responses. The roles of IL-17B, IL-17C, and IL-17D are less clear, however these family members also appear to have the capacity to induce proinflammatory cytokines. IL-17 receptors have an extracellular domain, a transmembrane domain, and a SEFIR domain. They are believed to signal as homodimers, heterodimers, or multimers through their SEFIR domain by recruiting the SEFIR domain-containing adaptor Act1. Unlike most cytokines that signal through Jak/STAT pathways, IL-17 signaling results in NF- κ B activation. IL-17RA associates with IL-17RC to mediate signaling by homodimers and heterodimers of IL-17A and IL-17. IL-17RA is broadly expressed with highest expression in hematopoietic cells.

Molecular Mass ~37 kDa

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AA Sequence	MLRLLDHRALVCSQPGLNCTVKNSTCLDDSWIHPRNLTPSSPKDLQIQLHFAHTQQ GDLFPVAHIEWTLQTDASILYLEGAELSVLQLNTNERLCVRFEFLSKLRHHHRRWRF TFSHFVVDPDQEYEVTVHHLPKPIPDGDPNHQSKNFLVPDCEHARMKVTTPCMSSG SLWDPNITVETLEAHQLRVSFTLWNESTHYQILLTSFPHMENHSCFEHMHIPAPRP EEFHQRSNVTLTLRNLKGCCRHQVQIQPFSSCLNDCLRHSATVSCPEMPDTPPEPIP DYMPLW
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	IL17RA interleukin 17 receptor A [Homo sapiens (human)]
Official Symbol	IL17RA
Synonyms	IL17RA; interleukin 17 receptor A; IL17R, interleukin 17 receptor; interleukin-17 receptor A; CD217; CDw217; hIL 17R; IL 17RA; IL-17 receptor A; IL17R; CANDF5; IL-17RA; hIL-17R; FLJ32274; FLJ36453; MGC10262;
Gene ID	23765
mRNA Refseq	NM_014339

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Protein Refseq NP_055154

MIM 605461

UniProt ID Q96F46

SDS-PAGE



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