

IL-17RC Fc tagged Recombinant Protein | IL17RC recombinant protein

Human IL-17RC Fc tagged Recombinant

CATALOG #	HOST
AAA76118	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

IL-17RC Fc tagged; Human IL-17RC Fc tagged Recombinant; Human IL-17RC Fc tag Recombinant; il-17rc; il17Rc; interleukin-17 r; IL17RC recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>98%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Interleukin-17RC is supplied as lyophilized 0.2 um filtered PBS solution, pH7.2.
Sequence Length	707
Host Note	Optimized DNA sequence encoding extracellular domain of human IL-17RC receptor including a C terminal Human IgG1 Fc tag was expressed in HEK293 cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Weight Note	Recombinant IL17RC-Fc is a homodimer protein consisting of 675 amino acid residue subunits, due to glycosylation migrates as an approximately 100kD protein under reducing SDS-PAGE conditions.
Preparation and Storage	Recombinant IL-17RC, as supplied, can be stored in working aliquots at 2 degree - 8 degree C for one month, or at -20 degree C to -70 degree C for twelve months. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL17RC recombinant protein	IL-17 is a potent regulator of the neutrophil response. Both IL-17A and IL-17F are capable of signaling through IL-17RA to induce granulopoietic factors such as G-CSF and stem cell factor which leads to expansion of neutrophil progenitors in the bone marrow and spleen, as well as expansion of mature neutrophils in peripheral blood. IL-17RA signaling up- regulates production of neutrophilic chemokines such as CXCL1 (KC), CXCL2, CXCL5, CXCL6, and CXCL8, which in turn regulate neutrophil emigration to mucosal sites. Due to this role in neutrophil expansion and recruitment, IL-17RA signaling is an important part of the host response to extracellular bacterial infections. To date, four additional receptors have been identified in the IL- 17R family based on sequence homology to IL-17R (IL-17Rh1, IL-17RC, IL-17RD, and IL-17RE) and among them, IL- 17RC has been shown recently to physically associate with IL-17RA, suggesting that it may be a functional component in the IL-17R complex. Nevertheless, the final structure of the functional IL-17 receptor and the mechanisms of interactions with IL-17A remain unknown.
Product Categories/Family for IL17RC recombinant protein	Receptors CD

References	• il-17a and IL-17RC expression in the macula of the human eye with age-related macular degeneration .<i>Invest. Ophthalmol. Vis. Sci.</i>, Mar 2012; 53: 1667. • il-17a- versus il-17f-induced intracellular signal transduction pathways and modulation by il-17ra and IL-17RC rna interference in rheumatoid synoviocytes .<i>Ann Rheum Dis</i>, Feb 2011; 70: 341 - 348. • IL-17RC is required for immune signaling via an extended sef/il-17r signaling domain in the cytoplasmic tail .<i>J. Immunol.</i>, Jul 2010; 185: 1063 - 1070. • IL-17RC is required for il-17a– and il-17f–dependent signaling and the pathogenesis of experimental autoimmune encephalomyelitis .<i>J. Immunol.</i>, Apr 2010; 184: 4307 - 4316. • the human il-17f/il-17a heterodimeric cytokine signals through the il-17ra/IL-17RC receptor complex .<i>J. Immunol.</i>, Aug 2008; 181: 2799 - 2805.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	322812168
NCBI GeneID	84818
NCBI Accession #	NP_001190192.1
NCBI GenBank Nucleotide #	NM_001203263.1
UniProt Accession #	Q8NAC3; Q6UVY3; Q6UWD4; Q8NFS1; Q9BR97
Molecular Weight	86,240 Da
NCBI Official Full Name	interleukin-17 receptor C isoform 4
UniProt Protein Name	Interleukin-17 receptor C
UniProt Gene Name	IL17RC
UniProt Synonym Gene Names	IL-17 receptor C; IL-17RC; IL17Rhom; IL-17RL
UniProt Entry Name	I17RC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il17rc-recombinant-protein-hek293-cells/76118>