

Recombinant Human Chemokine (C-C motif) ligand 17, His-tagged

Cat. No. CCL17-269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TARC Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 92 amino acids (24-94 a.a.) and having a molecular mass of 10.3 kDa. The TARC is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	Human
Protein Length	24-94 a.a.
Description	TARC cDNA encodes a 94 amino acid precursor protein with a 23 amino acid residue signal peptide that is cleaved off to generate the 71 amino acid residue mature secreted protein. Along with CC chemokine family members, CCL-17 has approximately 24-29% amino acid sequence identity with RANTES, MIP-1 β , MIP-1 α , MCP-1, MCP-2, MCP-3 and I-309. TARC is expressed in thymus, and at a lower level in the lung, colon, and small intestine. TARC is in addition transiently expressed in stimulated peripheral blood mononuclear cells. Recombinant TARC has been shown to be chemotactic for T cell lines but not monocytes or neutrophils. CCL-17 was recently identified to be a specific functional ligand for CCR4, a receptor that is selectively expressed on T cells. CCL17 is one of quite a few Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. CCL17 shows chemotactic activity for T lymphocytes, but not monocytes or granulocytes. CCL17 binds to chemokine

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	receptors CCR4 and CCR8. This chemokine plays important roles in T cell development in thymus as well as in trafficking and activation of mature T cells.
Form	The TARC protein contains 1xPBS (pH7.4) and 10% glycerol.
Purity	Greater than 95% as determined by Analysis by SDS-PAGE.
Physical Appearance	Sterile filtered colorless solution.
Amino acid sequence	MGSSHHHHHH SSGLVPRGSH MARGTNVGRE CCLEYFKGAI PLRKLKTWYQ TSEDCSRDAI VFVTVQGRAI CSDPNNKRVK NAVKYLQSLE RS.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Pathways	Cytokine-cytokine receptor interaction

GENE INFORMATION

Gene Name	CCL17 chemokine (C-C motif) ligand 17 [Homo sapiens]
Official Symbol	CCL17
Synonyms	chemokine (C-C motif) ligand 17; TARC; ABCD-2; SCYA17; A-152E5.3; MGC138271; MGC138273; CCL17; small inducible cytokine A17; T cell-directed CC chemokine; thymus and activation-regulated chemokine; small inducible cytokine subfamily A (Cys-Cys), member 17; CC chemokine TARC; OTTHUMP00000164673
Gene ID	6361

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mRNA Refseq	NM_002987
Protein Refseq	NP_002978
MIM	601520
UniProt ID	Q92583
Chromosome Location	16q13
Function	chemokine activity
PDB rendering based on 1nr2.	