

Product datasheet for **TP723317**

Macrophage Inflammatory Protein 4 (CCL18) (NM_002988) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) (CCL18).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	AQVGTNKELC CLVYTSWQIP QKFLVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA
Tag:	Tag Free
Predicted MW:	7.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Assay #1: Determined by its ability to chemoattract human T lymphocytes using a concentration of 1.0-10.0 ng/ml. Assay #2: Determined by its ability to chemoattract human iDCs using a concentration of 1.0-10.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002979
Locus ID:	6362
UniProt ID:	P55774
RefSeq Size:	798
Cytogenetics:	17q12
RefSeq ORF:	267
Synonyms:	AMAC-1; AMAC1; CKb7; DC-CK1; DCCK1; MIP-4; PARC; SCYA18



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- Summary:** This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses. [provided by RefSeq, Sep 2014]
- Protein Families:** Druggable Genome, Secreted Protein
- Protein Pathways:** Chemokine signaling pathway, Cytokine-cytokine receptor interaction