

## Product datasheet for **AR09372PU-L**

### 6CKine / CCL21 (24-134, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	6CKine / CCL21 (24-134, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MSDGGAQDCC</u> LKYSQRKIPA KVVRSYRKQE PSLGCSIPAI LFLPRKRSQA ELCADPKELW VQQLMQHLDK TPSPQKPAQG CRKDRGASKT GKKGKGSKGC KRTERSQTPK GP
Tag:	His-tag
Predicted MW:	14.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant CCL21 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_002980</u>
Locus ID:	6366
UniProt ID:	<u>O00585</u> , <u>Q6ICR7</u>
Cytogenetics:	9p13.3
Synonyms:	6CKine; CKb9; ECL; SCYA21; SLC; TCA4



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**Summary:**

This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19). [provided by RefSeq, Sep 2014]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Product images:**