

# Recombinant mouse CCL21/6Ckine protein

Catalog Number: ATGP3900

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

24-133aa

### UniProt No.

P84444

### NCBI Accession No.

NP\_035254

### Alternative Names

C-C motif chemokine ligand 21A, 6Ckine, Beta-chemokine exodus-2, Small-inducible cytokine A21a, Scya21, Scya21a, Thymus-derived chemotactic agent 4, TCA4, 6CKBAC2, ALP, CKb9, Gm1987, SLC

## PRODUCT SPECIFICATION

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### Molecular Weight

13.1 kDa (119aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CCL21, also known as C-C motif chemokine 21a, is a member of homeostatic chemokine. It plays an important role in adaptive immune responses and inflammation. This protein inhibits hemopoiesis and stimulates chemotaxis. It is involved in signaling through CXCR3. This protein is upregulated on local vascular endothelial

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cells, macrophages, T cells, and neurons during chronic inflammation or tissue damage. Deficient of This protein was impaired in the medullary deletion of self-reactive thymocytes and developed autoimmune dacryoadenitis and T cell accumulation in the lymph nodes was also defective. Recombinant mouse CCL21, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

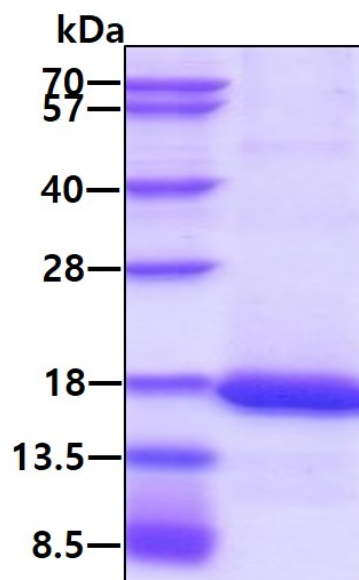
<ADP>SDGGGQD CCLKYSQKKI PYSIVRGYRK QEPSLGCIPI AILFSPRKHS KPELCANPEE GWVQNLMRRL DQPPAPGKQS  
PGCRKNRGTG KSGKKGKGSK GCKRTEQTQP SRG<HHHHHH>

### General References

Kozai M., et al. (2017) J Exp Med. 214:1925-1935.  
Chen SC., et al. (2002) J Immunol. 168:1001-1008.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.