## **PRODUCT INFORMATION**

**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**

## **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

### Description

CCL21, also known as C-C motif chemokine 21a, is a member of homeostatic chemokine. It plays an importantrole 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



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 cellaccumulation 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**

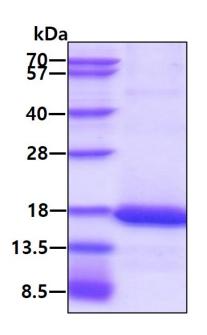
<ADP>SDGGGQD CCLKYSQKKI PYSIVRGYRK QEPSLGCPIP AILFSPRKHS KPELCANPEE GWVQNLMRRL DQPPAPGKQS PGCRKNRGTS KSGKKGKGSK GCKRTEQTQP SRG<HHHHHH>

#### **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.

