

# Recombinant Mouse CCL21/6Ckine Protein

Catalog No.: RP01885 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	18829	P84444

### Tags

C-His

### Synonyms

C-C Motif Chemokine 21a; 6Ckine; Beta-Chemokine Exodus-2; Small-Inducible Cytokine A21a; Thymus-Derived Chemotactic Agent 4; TCA4; Ccl21a; Scya21; Scya21a

## Product Information

Source	Purification
<i>Pichia</i>	

Calculated MW	Observed MW
12.89 kDa	15-25 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

C-C Motif Chemokine 21a (CCL21a) is a small secreted cytokine that belongs to the intercrine beta (CCchemokine) family. Mouse CCL21 cDNA encodes a 133 amino acid residue protein with a 23 residue signalpeptide that is cleaved to generate the 110 residue mature protein. Mouse CCL21 has three forms while CCL21a has Ser-65. CCL21 elicits its effects by binding to a cell surface chemokine receptor known as CCR7 and CXCR3. Mouse CCL21 inhibits hemopoiesis and stimulates chemotaxis. It has chemotactic function in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Mouse CCL21 shows preferential activity towards naive T-cells and may play a role in mediating homing of lymphocytes to secondary lymphoid organs.

## Basic Information

### Description

Recombinant Mouse CCL21A Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ser24-Gly133) of Mouse CCL21A (Accession #P84444) fused with a His tag at the C-terminus.

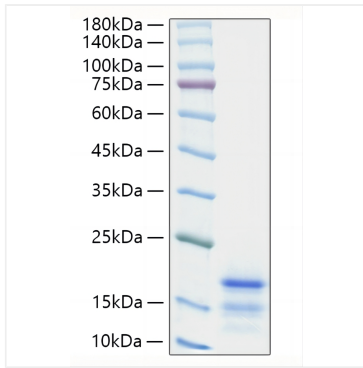
### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse CCL21/6Ckine Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-25 kDa.