

# Recombinant Mouse CCL11/Eotaxin Protein

Catalog No.: RP01904 **Recombinant**

## Sequence Information

**Species** Mouse    **Gene ID** 20292    **Swiss Prot** P48298

### Tags

C-His

### Synonyms

Ccl11; Scya11;Eotaxin; C-C motif chemokine 11; Eosinophil chemotactic protein; Small-inducible cytokine A11

## Product Information

**Source** *Pichia*    **Purification**  $\geq 95\%$  as determined by SDS-PAGE.

**Calculated MW** 9.28 kDa    **Observed MW** 10-15 kDa

### Endotoxin

< 0.1 EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in PBS,250mM NaCl,pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.

### 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

CCL11 is a potent eosinophil chemoattractant that was originally purified from bronchoalveolar lavage fluid of guinea pigs sensitized by aerosol challenge with ovalbumin. Microsequencing of the purified protein revealed the guinea pig CCL11 to be a member of the beta (CC) chemokine family of inflammatory and immunoregulatory cytokines. cDNA clones for guinea pig, mouse and human CCL11 have been isolated. Mouse CCL11 cDNA encodes a 97 amino acid residue precursor protein from which the amino-terminal 23 amino acid residues are cleaved to generate the 74 amino acid residue mature mouse CCL11. At the protein sequence level, mature mouse CCL11 is approximately 60% identical to mature human and guinea pig CCL11. In addition, mouse CCL11 also shows high amino acid sequence identity to members of the MCP family. Mouse CCL11 is chemotactic for eosinophils, but not mononuclear cells or neutrophils. CCL11 mRNA is expressed in a variety of tissues. The expression of CCL11 mRNA is induced in cultured endothelial cells in response to IFN-gamma. In addition, CCL11 mRNA is also induced in response to the transplantation of IL-4-secreting tumor cells.

## Basic Information

### Description

Recombinant Mouse CCL11/Eotaxin Protein by *Pichia* expression system. The target protein is expressed with sequence (His24-Pro97) of Mouse CCL11/Eotaxin (Accession #NP\_035460.1) fused with a His tag at the C-terminus..

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### 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.

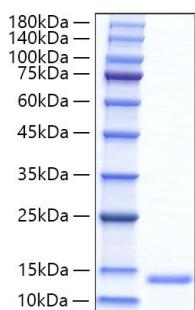
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.



## Validation Data

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Recombinant Mouse CCL11/Eotaxin Protein  
was determined by SDS-PAGE under  
reducing conditions with Coomassie Blue.