

Recombinant Mouse CCL11/Eotaxin Protein

Catalog No.: RP01904 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20292	P48298

Tags

C-His

Synonyms

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

Product Information

Source	Purification
<i>Pichia</i>	PBS□250mM NaCl□pH7.4

Calculated MW	Observed MW
9.28 kDa	10-15 kDa

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from 0.22 μm 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 free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

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

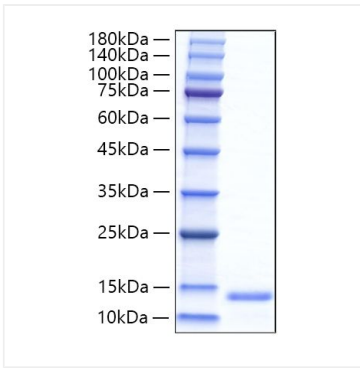
Recombinant Mouse CCL11/Eotaxin Protein by *Pichia* expression system. The target protein is expressed with sequence (His24-Pro97) of Mouse CCL11/Eotaxin (Accession #NP_035460.1) fused with a His tag at the C-terminus..

Bio-Activity

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



Recombinant Mouse CCL11/Eotaxin Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15kDa.