

Recombinant Mouse CCL12/MCP-5 Protein

Catalog No.: RP03278 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20293	Q62401

Tags

C-His

Synonyms

C-C motif chemokine 12; CCL12;
Monocyte chemotactic protein 5; MCP-5;
MCP5; Small-inducible cytokine A12;
Scya12

Product Information

Source	Purification
Yeast	> 90% by SDS-PAGE.

Calculated MW	Observed MW
10.7 kDa	10-20 kDa

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 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 free-thaw cycles.

Contact

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Background

MCP-5/CCL12 protein promotes CCR2 chemokine receptor binding and contributes to physiological processes such as angiogenesis, inflammation, and monocyte chemotaxis. It is located extracellularly and is widely expressed in tissues such as the central nervous system. CCL12 attracts eosinophils, monocytes, and lymphocytes but not neutrophils, and it is a potent monocyte active chemokine that signals through CCR2, and involved in allergic inflammation and the host response to pathogens and may play a pivotal role during early stages of allergic lung inflammation.

Basic Information

Description

Recombinant Mouse CCL12/MCP-5 Protein is produced by Yeast expression system. The target protein is expressed with sequence (Gly23-Gly104) of mouse CCL12/MCP-5 (Accession #NP_035461.2) fused with His tag at the C-terminus.

Bio-Activity

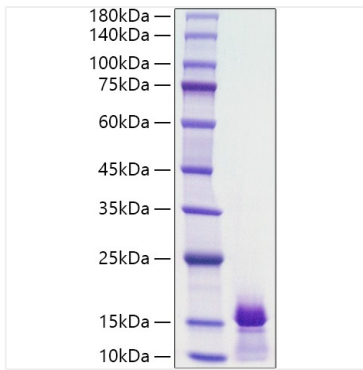
Storage

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 CCL12/MCP-5 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-20 kDa.