

Recombinant Mouse CCL8/MCP-2 Protein

Catalog No.: RP00773 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20307	Q9Z121

Tags

C-6×His

Synonyms

C-C motif chemokine 8; Ccl8; Monocyte chemoattractant protein 2; Monocyte chemotactic protein 2; MCP-2; Small-inducible cytokine A8; Mcp2; Scya8

Product Information

Source	Purification
<i>Pichia</i>	> 97% by SDS-PAGE.

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 tube 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

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Chemokine ligand 8 (CCL8, MCP-2), is a small secreted cytokine which belongs to the intercrine beta (chemokine CC) family. CCL8 Chemotactic factor attracts monocytes. It can bind heparin. CCL8 functions to activate different immune cells, including mast cells, eosinophils and basophils which are involved in allergic responses, monocytes, and T cells and NK cells which are involved in the inflammatory response. Its activity is achieved by binding to different cell surface receptors termed chemokine receptors including CCR1, CCR2B and CCR5. It has been reported that CCL8 is a potent inhibitor of HIV-1 by virtue of its binding to CCR5 which is one of the major co-receptors for HIV-1.

Basic Information

Description

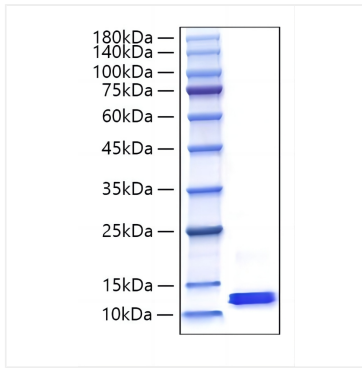
Recombinant Mouse CCL8/MCP-2 Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Gly24-Pro97) of mouse CCL8/MCP-2 (Accession #Q9Z121) fused with a 6×His tag at the C-terminus.

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 CCL8/MCP-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15 kDa.