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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 protein2;MCP-2;Small-inducible cytokine A8;Mcp2; Scya8

Product Information

Source	Purification
Pichia	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
9.35 kDa	10-15 kDa

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

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS,pH7.4.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 stablizer (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

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 toactivate different immune cells, including mast cells, eosinophils and basophils which are involved in allergicresponses, monocytes, and T cells and NK cells which are involved in the inflammatory response. Its abilityachieves by binding to different cell surface receptors termed chemokine receptors including CCR1, CCR2B andCCR5. It has been reported that CCL8 is a potent inhibitor of HIV-1 by virtue of its binding to CCR5 which is oneof 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

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

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.

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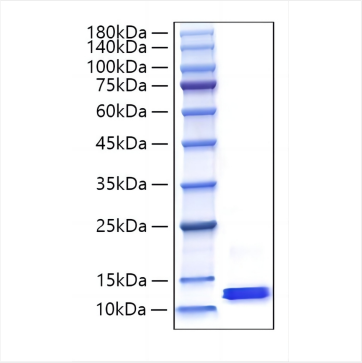
Validation Data



Recombinant Mouse CCL8/MCP-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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