

Recombinant Mouse CCL2/MCP-1 Protein

Catalog No.: RP01607 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20296	P10148

Tags

C-His

Synonyms

C-C motif chemokine ligand 2; CCL2; GDCF-2; HC11; HSMCR30; MCAF; MCP1; MCP-1; SCYA2; SMC-CF; CCL2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

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Background

Basic Information

Description

Recombinant Mouse CCL2/MCP-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln 24-Asn148) of mouse CCL2/MCP-1 (Accession #NP_035463.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its ability to chemoattract THP-1 cells. The ED₅₀ for this effect is typically 6.2-25.0 ng/mL.

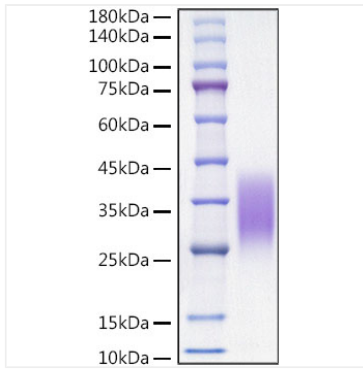
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

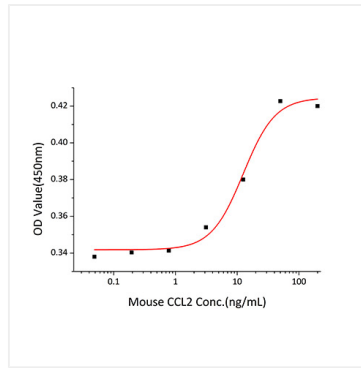
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse CCL2/MCP-1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-37kDa.



Recombinant Mouse CCL2 chemoattract THP-1 cells. The ED₅₀ for this effect is typically 6.2-25.0 ng/mL.