

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;M
cp1;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.

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 the lyophilized protein at -20°C to -80°C for 12 months.
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.

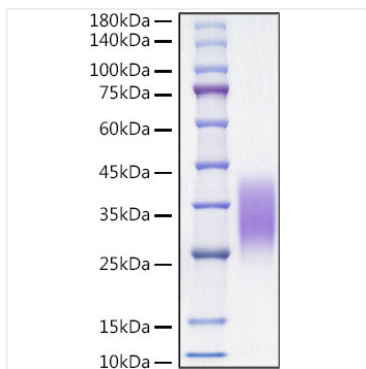
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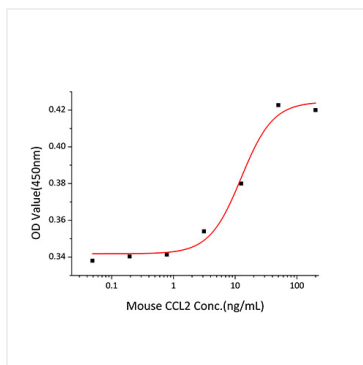
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Validation Data



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 ED_{50} for this effect is typically 6.2-25.0 ng/mL.