

## Recombinant Mouse MCP-1 Protein(Sumo Tag)

**Catalog Number:** PDEM100337

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

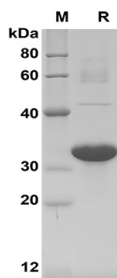
### Description

<b>Species</b>	Mouse
<b>Source</b>	E.coli-derived Mouse MCP-1 protein Gln24-Arg96, with an N-terminal Sumo
<b>Calculated MW</b>	20.9 kDa
<b>Observed MW</b>	32 kDa
<b>Accession</b>	P10148
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Mouse MCP-1 proteins, 2 µg/lane of  
Recombinant Mouse MCP-1 proteins, was resolved with  
SDS-PAGE under reducing conditions, showing bands at 32  
KD

### Background

Monocyte chemoattractant protein 1 (CCL2/JE/MCP-1), also called CCL2, belongs to a group of CC chemokines located in chromosome 17q11.2. CCL2/JE/MCP-1 protein interacts with chemokine C-C motif receptor 2 (CCR2) to activate and recruit monocytes, macrophages, CD4<sup>+</sup> T cells and immature dendritic cells to the site of infection. The presence of CCL2/JE/MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance.

### For Research Use Only