

# Biotinylated Human MCP-1/CCL2 Protein



Cat. No. MCP-HM401B

## Description

<b>Source</b>	Recombinant Biotinylated Human MCP-1/CCL2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln24-Thr99.
<b>Accession</b>	P13500
<b>Molecular Weight</b>	The protein has a predicted MW of 11.5 kDa. Due to glycosylation, the protein migrates to 15-20 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

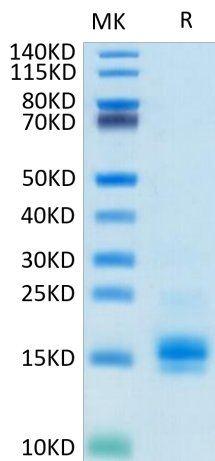
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Monocyte chemoattractant protein-1 (MCP-1) (also referred to as chemokine (C-C motif) ligand 2 (CCL2) is expressed by mainly inflammatory cells and endothelial cells. MCP-1 has been reported to play an important role in the pathogenesis of atherosclerosis and considerable evidence supports that the monocyte containing MCPs and macrophage influences the growth of other cell types within the atherosclerotic lesion. This review will focus on the general structure features of MCP-1 and its role in atherosclerosis.

## Assay Data

### Tris-Bis PAGE



Biotinylated Human MCP-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

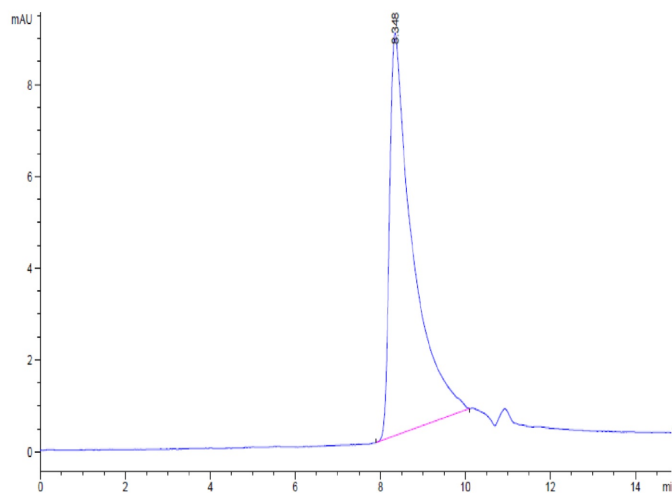
### SEC-HPLC

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## Assay Data



The purity of Biotinylated Human MCP-1 is greater than 95% as determined by SEC-HPLC.