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## Datasheet for ABIN7275239 CCL2 Protein (AA 24-99) (His tag)

2 Images



#### Overview

Quantity:	100 µg
Target:	CCL2
Protein Characteristics:	AA 24-99
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL2 protein is labelled with His tag.

### Product Details

Purpose:	Cynomolgus MCP-1/CCL2 Protein
Sequence:	GIn24-Pro99
Characteristics:	Recombinant Cynomolgus MCP-1/CCL2 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln24-Pro99.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Target Details	

Target:	CCL2
Alternative Name:	MCP-1 (CCL2 Products)

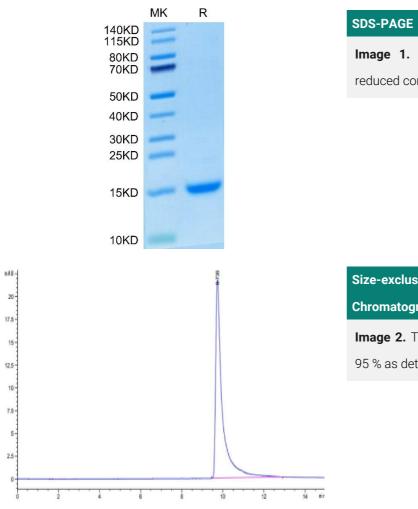
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### Target Details

Background:	Monocyte chemotactic 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.
Molecular Weight:	9.79 kDa. Due to glycosylation, the protein migrates to 13-16 kDa based on Tris-Bis PAGE result.
Molecular Weight: UniProt:	9.79 kDa. Due to glycosylation, the protein migrates to 13-16 kDa based on Tris-Bis PAGE result. P61274

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



**Image 1.** Cynomolgus MCP-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

## Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus MCP-1 is greater than 95 % as determined by SEC-HPLC.

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