

MCP-1 (MCAF), human recombinant protein
MCP1, SCYA2
Catalog # PBV10178r**Specification**

MCP-1 (MCAF), human recombinant protein - Product info

Primary Accession [P10148](#)
Calculated MW **8.6 kDa** **KDa**

MCP-1 (MCAF), human recombinant protein - Additional Info

Gene ID **20296**
Gene Symbol **MCP-1**

Other Names

HC11, Monocyte chemoattractant protein 1, Monocyte chemotactic and activating factor, MCAF, Monocyte chemotactic protein 1, MCP-1, Monocyte secretory protein JE, Small-inducible cytokine A2

Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Results	4 - 15 ng/ml.
Sequence	QPDVAVNAPLT CCYSFTSKMI PMSRLESYKR ITSSRCPKEA VVFVTKLKRE VCADPKKEWV QTYIKNLDRN QMRSEPTTLF KTASALRSSA PLNVKLTRKS EANASTTFST TTSSTSVGVT SVTVN

Target/Specificity
MCP-1/CCL2

Application Notes

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Format
Lyophilized protein

Storage
-20°C; Sterile filtered and lyophilized with no additives

MCP-1 (MCAF), human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MCP-1 (MCAF), human recombinant protein - Images

MCP-1 (MCAF), human recombinant protein - Background

Monocyte Chemoattractant Protein 1 (MCP-1), also known as CCL2, is thought to be produced by injured or infected tissues. MCP-1 signals through G protein-coupled receptors, CCR2 and CCR4, to recruit memory T cells, monocytes and dendritic cells. Recombinant mouse MCP-1 is a non-glycosylated protein, containing 76 amino acids and having a molecular mass of 8.6 kDa.

MCP-1 (MCAF), human recombinant protein - References

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Rollins B.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:3738-3742(1988).
Teuscher C.,et al.J. Immunol. 163:2262-2266(1999).
van Damme J.,et al.Eur. J. Biochem. 199:223-229(1991).
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