

MCP1 active protein

MCP1 protein

CATALOG #
AAA75441

HOST
E. Coli

PRODUCT SYNONYMS

MCP1; MCP1 protein; MCP-1 protein; MCAF protein; MCP 1 protein; MCP 1; MCP-1; CCL2 protein; JE protein; Monocyte Chemotactic Protein-1 protein; Mouse protein; MCP1 active protein

PRODUCT SPECIFICATIONS

Host	E. Coli
Purity/Purification	≥98% by SDS-PAGE gel and HPLC analysis
Form/Format	Lyophilized with no additives. Reconstitute in water to 0.1-1.0mg/ml. After initial reconstitution, further dilute in a buffer containing a carrier protein or stabilizer.
Concentration	10ug, lyophilized (varies by lot)
Grade	Recombinant
Endotoxin	<0.1ng/ug of protein (<1EU/ug)
Species	Human
Residues	Region of MCP1 protein corresponding to amino acids QPDAVNAPLT CCYSFTGKMI PMSRLENYKR ITSSRCPKEA VVFTVTKLRE ICADPNKEWV QKYIRKLDQN QVRSETTVFY KIASLRTSA PLNVNLTHKS EANASTLFST TTSSTSVEVT SMTEN.
Biohazard	Use standard laboratory precautions when handling this material.
Bioactivity	Determined by its ability to chemoattract human monocytes using a concentration range of 10.0-100.0 ng/ml.
Biological Significance	The MCP proteins belong to the CC chemokine family, and signal through CCR2 and, with the exception of MCP-1, other CCR receptors. The MCP proteins chemoattract and activate monocytes, activated T cells, basophils, NK cells, and immature dendritic cells. The MCP family cross reacts across species.
Preparation and Storage	Ships on blue ice. Upon receipt store at 4°C short term, -20°C long term. Avoid repeat freeze-thaws.

ADDITIONAL INFORMATION

Related Product Information for MCP1 active protein	Purified recombinant Human MCP1 protein
Product Categories/Family for MCP1 active protein	Cytokines & Growth Factors
References	Effect of acidosis on IL-8 and MCP-1 during hypoxia and reoxygenation in human NT2-N neurons; Elisabeth Fryland, Elena Didenko Pedersen, Anne-Katrine Kvissel, Runar Almaas, Anne Pharob, Bjørn Steen Skjellhegge, Tom Eirik Mollnes, Terje Rootwelt (Brain Research: Volume: 1113 Issue: 1 Page: 64-73 DOI: 10.1016/j.brainres.2006.07.051)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13160982
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Molecular Weight	14.0 kDa
NCBI Official Full Name	monocyte chemotactic protein 1, partial
UniProt Protein Name	Monocyte chemotactic protein 1
UniProt Gene Name	MCP1
UniProt Entry Name	Q9BG83_PONPY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/mcp1/75441>