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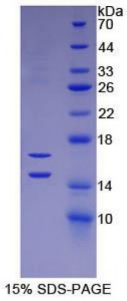
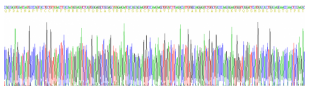
DATASHEET

Human Monocyte Chemotactic Protein 1 (MCP1) Protein

Catalogue No.:abx068048



SDS-PAGE analysis of Human MCP1 Protein.



Gene sequencing extract of Human MCP1.

Recombinant Monocyte Chemotactic Protein 1 (MCP1) is a recombinant protein from Human. It is produced in E.coli using Prokaryotic expression.

Target:	Monocyte Chemotactic Protein 1 (MCP1)
Origin:	Human
Host:	E. coli
Tested Applications:	WB, SDS-PAGE
Purity:	> 95%
Form:	Lyophilized
Reconstitution:	Reconstitute in 10 mM PBS, pH 7.4, to a concentration of 0.1 - 1.0 mg/ml. Do not vortex.
Conjugation:	Unconjugated
Storage:	Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.
Expression:	Recombinant

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Molecular Weight: Calculated MW: 9.5 kDa
Observed MW (SDS-PAGE): 15/17 kDa
Possible reasons why the actual band size differs from the predicted band size:
1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycoslyation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Swiss Prot: P13500

Sequence Fragment: Gln24-Thr99

Sequence: QPDAINA PVTCCYNFTN RKISVQRLAS YRRITSSKCP KEAVIFKTIV AKEICADPKQ KWVQDSMDHL DKQTQTPKT

Tag: N-terminal His-tag

Activity: Not tested

Concentration: Prior to lyophilization: 200 µg/ml

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 5% sucrose.

Note: This product is for research use only.