

Human MCP 4 Recombinant Protein



RPPB1197

Product Information Protein Information

Product SKU:

RPPB1197

Accession:

Q99616

Host:

Escherichia Coli.

Protein description:

Monocyte Chemotactic Protein-4 Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 75 amino acids and having a molecular mass of 8.6 kDa. The MCP-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Small inducible cytokine A13, CCL13, Monocyte chemotactic protein 4, MCP-4, Monocyte chemoattractant protein 4, CK-beta-10, NCC-1, chemokine (C-C motif) ligand 13, NCC1, CKb10, SCYL1, SCYA13, MGC17134.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) sterile solution in 20mM PB, pH 7.4, 130mM NaCl.

Purity:

Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized MCP-4 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized MCP-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MCP-4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

QPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVIFRTKLGKEICADPKEKWVQNYMKHLGRKAHTLKT.

Biological Activity:

The specific activity as determined by the ability of MCP-4 to chemoattract human monocytes at 10-100ng/ml, corresponding to a Specific Activity of 10,000-100,000 units/mg.