

Monocyte Chemotactic Protein-4 Human Recombinant (CCL13)

Item Number	rAP-0202
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.
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.
Uniprot Accession Number	Q99616
Amino Acid Sequence	QPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVI-FRTKLGKEICADPKEKWVQNYMKHLGRKAHTLKT.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) sterile solution in 20mM PB, pH 7.4, 130mM NaCl. Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**