

## Monocyte Chemotactic Protein-2 Human Recombinant (CCL8)

<b>Item Number</b>	rAP-0199
<b>Synonyms</b>	Small inducible cytokine A8, CCL8, Monocyte chemotactic protein 2, MCP-2, Monocyte chemoattractant protein 2, HC14, chemokine (C-C motif) ligand 8, MCP2, SCYA8, SCYA10.
<b>Description</b>	Monocyte Chemotactic Protein-2 Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 76 amino acids and having a molecular mass of 8904 Dalton. The MCP2 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P80075
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Asp-Ser-Val.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MCP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL8 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.
<b>Formulation and Purity</b>	The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Monocyte Chemotactic Protein-2 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The biological activity was determined by measuring the dose dependent mobilization of intracellular calcium (calcium flux) with human THP-1 cells. Significant calcium mobilization is observed with 500ng/mL of recombinant human MCP-2. Human MCP-2 also ind
<b>Shipping Format and Condition</b>	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**