

**Product:** Monocyte Chemotactic Protein-2 (CCL8), Human, Recombinant  
**Catalog #:** 11-MCP-2H  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human MCP-2 produced in E.Coli is a non-glycosylated, Polypeptide chain containing 76 amino acids and having a molecular mass of 8904 Dalton. The rHuMCP-2 is purified by proprietary chromatographic techniques.  
The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Asp-Ser-Val.

**SOURCE:** *Escherichia coli* expression system

**MOLECULAR WEIGHT:** 8.9 kDa

**PURITY:** > 99.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of MCP-2.

**DIMERS & AGGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm.  
2. Analysis by RP-HPLC, using a standard solution of MCP-2 as a Reference Standard.

**FORM:** Purified.

**CONCENTRATION:** 0.1 mg/ml

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:** rHuMCP-2 is fully biologically active when compared to standard.  
The specific activity as determined by the ability of MCP-2 to chemoattract human peripheral blood at 10-100ng/ml.

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