

## Recombinant Human MCP-4

**CATALOG #:** 4231-10 10 µg  
4231-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >95% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng per µg of MCP-4.

**MOL. WEIGHT:** 8.6 kDa

**FORM:**  
Sterile filtered and then lyophilized from a concentrated (1mg/ml) sterile solution containing 20 mM phosphate buffer, pH 7.4 and 130 mM NaCl.

**RECONSTITUTION:**  
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of not less than 0.1 mg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use.

**STORAGE CONDITIONS:**  
The lyophilized MCP-4 is best-stored desiccated below 0°C. Reconstituted human MCP-4 should be stored in working aliquots at -20°C.

**DESCRIPTION:**  
Human macrophage/monocyte chemotactic protein-4 (MCP-4) is a member of the beta chemokine family (C-C) of cytokines. Like eotaxin, MCP-4 is a powerful eosinophil chemoattractant. Additionally, like MCP-3, MCP-4 elicits chemoattraction of monocytes and T lymphocytes. MCP-4 is a peptide of 8.6 kDa that consists of 75 amino acid residues.

**BIOLOGICAL ACTIVITY:**  
The specific activity as determined by the ability of MCP-4 to chemoattract human monocytes was achieved at 10-100 ng/ml.

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