rHu MCP-2

recombinant Human Monocyte Chemotactic Protein 2, CCL8
Product code A8236

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.

Physical Appearance: sterile filtered white lyophilized (freeze-dried) powder.

Source: E. coli

Formulation: Lyophilized with no additives.

Reconstitution: It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Stability: Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1 % HSA or BSA) for long term storage.

Purity: > 98 % as determined by RP-HPLC, reducing and non-reducing SDS-PAGE.

Protein Content: determined by UV spectroscopy at 280 nm. Analysis by RP-HPLC calibrated against a known standard. Quantitation on SDS-PAGE against a known standard.

Biological Activity: MCP-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.

Amino Acid Sequence:
QPDSVSIPIT CFNNIQRPKEA VIFKTKRGKE VCADPKERWV RDSMKHLDQI FQNLKP

References
1.) Association of genetic variants of the chemokine receptor CCR5 and its ligands, RANTES and MCP-2, with outcome of HCV infection. Hepatology (2003) 38(6), 1468-1476
4.) Neutrophil gelatinase B potentiates interleukin-8 tenfold by aminoterminal processing, whereas it degrades CTAP-III, PF-4, and GRO-alpha and leaves RANTES and MCP-2 intact. Blood (2000) 96(8), 2673-2681

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