9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1943: MCP 5 Recombinant Protein

Alternative Name : C-C motif chemokine 12,MCP-1-related chemokine,Monocyte chemoattractant protein 5,Monocyte chemotactic protein 5,MCP-5,Small-inducible cytokine A12,Ccl12,Mcp5,Scya12.

Description

Source : Escherichia Coli. MCP-5 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 82 amino acids and having a molecular mass of 9.3kDa. The MCP5 is purified by proprietary chromatographic techniques. MCP-5 (CCL12) is a cloned mouse CC chemokine most closely related to human MCP1 (66% amino acid sequence identity in the mature protein). MCP5 is expressed constitutively in the thymus and the lymph nodes. Under inflammatory conditions, moreover CCL12 expression is induced in activated macrophages and mast cells. The mouse MCP1 gene is mapped to the CC chemokine cluster on chromosome 11. Recombinant CCL12 is a potent chemoattractant for monocytes and lymphocytes but not neutrophils. At high concentrations, MCP-5 also chemoattracts eosinophils. CCL12 is a functional ligand for CCR2.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
Storage condition :	Lyophilized CCL12 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MCP5 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.
Amino Acid :	GPDAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA VIFRTILDKE ICADPKEKWV KNSINHLDKT SQTFILEPSC LG.

Application Note

It is recommended to reconstitute the lyophilized MCP5 in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 10.0-50.0 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.