

Overview

Synonyms	MCP-5, Monocyte Chemotactic Protein-5, CCL12
Description	Monocyte Chemotactic Protein-5 (MCP-5) , also known as Chemokine (C-C motif) ligand 12 (CCL12), is a small cytokine belonging to the CC chemokine family that has been characterized in mice. Due to its similarity with human chemokine MCP-1, sometimes it is called MCP-1-related chemokine. MCP-5 specifically attracts eosinophils, monocytes and lymphocytes. It can signal through the CCR2 receptor. Recombinant Mouse MCP-5/CCL1 produced in CHO cells is a polypeptide chain containing 82 amino acids. A fully biologically active molecule, rmMCP-5/CCL12 has a molecular mass of 11 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Accession No	Q62401.1
Species	Mouse
Source	CHO
Biological Activity	The EC ₅₀ value of mouse MCP-5/CCL12 on Ca ²⁺ mobilization assay in CHO-K1/Gα15/mCCR2 cells (human Gα15 and mouse CCR2 stably expressed in CHO-K1 cells) is less than 0.5 µg/ml.
Sequence	GPDAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA VIFRTILDKE ICADPKEKWW KNSINHLDKT SQTFILEPSC LG

Properties

Measured Molecular Weight	9.3-11 kDa, observed by reducing SDS-PAGE.
Purity	> 98% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Mouse MCP-5/CCL12 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse MCP-5/CCL12 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com