

MCP-5/CCL12 Protein, Rat

Cat. No.:	HY-P71903
Synonyms:	C-C motif chemokine; CCL12
Species:	Rat
Source:	E. coli
Accession:	Q9QZU1 (G14-A81)
Gene ID:	/
Molecular Weight:	Approximately 7.9 kDa

PROPERTIES

AA Sequence	<p>G P Y G A N V E D S I C C Q D Y I R H P L P P R F V K E F Y W T S K S C R K P G</p> <p>V V L I T I K N R D I C A D P R M L W V K K I L H K L A</p>
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration range of 10-100 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in sterile distilled water.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>MCP-5/CCL12 protein is a member of the intercrine beta (chemokine CC) family, categorizing it within a group of chemokines known for their role in intercellular communication and immune responses. As part of the intercrine beta family, MCP-5/CCL12 is likely involved in the modulation of inflammatory processes and cellular interactions. Further investigation is essential to unravel the specific functions and implications of MCP-5/CCL12 within the broader context of the chemokine CC family, shedding light on its significance in mediating immune responses and contributing to the intricate network of intercellular signaling.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA