

Product Datasheet

RecombinantMCP-3/MARC/CCL7, Mouse (orb1494686)

Catalog Number	orb1494686
Category	Proteins
Description	<p>Chemokine (C-C motif) ligand 7 (CCL7) is a small cytokine that was previously called monocyte-specific chemokine 3 (MCP-3). Due to CCL7 possessing two adjacent N-terminal cysteine residues in its mature form, it is classified within the subfamily of chemokines known as CC chemokines. CCL7 specifically attracts monocytes, and regulates macrophage function. It is produced by certain tumor cell lines and by macrophages. This chemokine is located on chromosome 17 in humans, within a large cluster containing many other CC chemokines and is most closely related to CCL2. CCL7 can signal through the CCR1, CCR2 and CCR3 receptors. Recombinant Mouse MCP-3/MARC/CCL7 produced in CHO cells is a polypeptide chain containing 74 amino acids. A fully biologically active molecule, rmMCP 3/CCL7 has a molecular mass of 8-12 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.</p>
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Buffer/Preservatives	Lyophilized after extensive dialysis against PBS.
Purity	> 98% as analyzed by SDS-PAGE.
Purification	> 98% as analyzed by SDS-PAGE.
Protein Sequence	QPDGPNASTCCYVKKQKIPKRNLKSYRRITSSRCPWEAVIFKTKKGMVEVCAEAHQKWVEE AIAYLDMKTPTPKP
MW	8~12 kDa, observed by reducing SDS-PAGE.
Application notes	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxins	0.2 EU/µg, determined by LAL method.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Source	CHO
Biological Activity	The EC50 value of mouse MCP 3 MARC/CCL7 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 1 µg/ml.
Storage	Lyophilized recombinant Mouse MCP-3/MARC/CCL7 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Mouse MCP-3/MARC/CCL7 should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only
Expiration Date	6 months from date of receipt.

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