

## OriGene Technologies Inc.

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## PA1160X OriGene EU

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	Recombinant Human Monocyte Chemotactic Protein-3 (CCL7)
Alternate names:	CCL7, MCP3
Catalog No.:	PA1160X
Quantity:	10 µg
Concentration:	1 mg/ml
Species:	Human
Source:	E. coli, E.coli
Format:	<ul> <li>State: Sterile Filtered White lyophilized (freeze-dried) powder.</li> <li>Purity: &gt;99% Greater than 99.0% as determined by:</li> <li>(a) Analysis by RP-HPLC.</li> <li>(b) Anion-exchange FPLC.</li> <li>(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained.</li> <li>Buffer System: Recombinant Human Monocyte Chemotactic Protein-3 was lyophilized from a concentrated sterile solution containing no additives.</li> <li>Endotoxin Level: Less than 0.1 ng/µg (IEU/µg) of recombinant Monocyte Chemotactic Protein-3.</li> <li>Dimers: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.</li> <li>Reconstitution: It is recommended to reconstitute the lyophilized MCP-3 in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.</li> </ul>
Description:	<ul> <li>Recombinant Human MCP-3 produced in E.Coli is a non-glycosylated, Polypeptide chain containing 76 amino acids. Human Monocyte Chemotactic Protein-3 is purified by proprietary chromatographic techniques.</li> <li>AA Sequence: <ul> <li>The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Val-Gly-Ile.</li> </ul> </li> <li>Biological Activity: MCP-3 is fully biologically active when compared to standard. The specific activity as determined by the ability of MCP-3 to chemoattract human peripheral blood at 10-100ng/ml.</li> <li>Molecular weight: 9 011 Dalton.</li> <li>Molecular weight: 9 kDa</li> </ul>
Add. Information:	<ul> <li>Protein quantitation was carried out by two independent methods:</li> <li>1. UV spectroscopy at 280 nm .</li> <li>2. Analysis by RP-HPLC, using a calibrated solution of Human MCP-2 as a Reference Standard.</li> </ul>

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



OG/20130513

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

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	PA1160X: Recombinant Human Monocyte Chemotactic Protein-3 (CCL7)
Storage:	Lyophilized Monocyte Chemotactic Protein-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18 C. Upon reconstitution Monocyte Chemotactic Protein-3 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 avoid freeze-thaw cycles.
General Readings:	<ol> <li>Tsou CL, Peters W, Si Y, Slaymaker S, Aslanian AM, Weisberg SP, et al. Critical roles for CCR2 and MCP-3 in monocyte mobilization from bone marrow and recruitment to inflammatory sites. J Clin Invest. 2007 Apr;117(4):902-9. Epub 2007 Mar 15. PubMed PMID: 17364026.</li> <li>McManus C, Berman JW, Brett FM, Staunton H, Farrell M, Brosnan CF. MCP-1, MCP-2 and MCP-3 expression in multiple sclerosis lesions: an immunohistochemical and in situ hybridization study. J Neuroimmunol. 1998 Jun 1;86(1):20-9. PubMed PMID: 9655469.</li> <li>Uguccioni M, Loetscher P, Forssmann U, Dewald B, Li H, Lima SH, et al. Monocyte chemotactic protein 4 (MCP-4), a novel structural and functional analogue of MCP-3 and eotaxin. J Exp Med. 1996 May 1;183(5):2379-84. PubMed PMID: 8642349.</li> <li>Proost P, Van Leuven P, Wuyts A, Ebberink R, Opdenakker G, Van Damme J. Chemical synthesis, purification and folding of the human monocyte chemotactic proteins MCP-2 and MCP-3 into biologically active chemokines. Cytokine. 1995 Feb;7(2):97-104. PubMed PMID: 7780043.</li> <li>Uguccioni M, D'Apuzzo M, Loetscher M, Dewald B, Baggiolini M. Actions of the chemotactic cytokines MCP-1, MCP-2, MCP-3, RANTES, MIP-1 alpha and MIP-1 beta on human monocytes. Eur J Immunol. 1995 Jan;25(1):64-8. PubMed PMID: 7531149.</li> <li>Opdenakker G, Froyen G, Fiten P, Proost P, Van Damme J. Human monocyte chemotactic protein-3 (MCP-3): molecular cloning of the cDNA and comparison with other chemokines. Biochem Biophys Res Commun. 1993 Mar 15;191(2):535-42. PubMed PMID: 8461011.</li> </ol>
Pictures:	PA1160XME0607
	Sequence: 1 MKRSRALLCL LLTARAFSPO CLAGPUCINT STTCCVRFIN KKIPKGRLES VRRTTSSHCP 2 Gignal Gign

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