Recombinant Human Monocyte Chemotactic Protein-3/CCL7 (rHuMCP-3/CCL7)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	204-07
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 9.0 kDa, a single, non-glycosylated polypeptide chain containing 76 amino acids.
Quantity:	2μg /10μg /1000μg
AA Sequence:	QPVGINTSTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPKL
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human monocytes is in a concentration range of 10-100 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Endotoxin:	Less than 1 EU/μg of rHuMCP-3/CCL7 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

Human Monocyte Chemotactic Protein-3/CCL7

Human CCL7, also known as monocyte chemotactic protein 3 (MCP-3), is belonging to the CC chemokine family. MCP-3 has two homogeneous MCP-1 (CCL2) and MCP-2 (CCL8). These three MCPs were found by IL-1-beta triggered human MG-63 osteosarcoma cells. CCL7 shares 71 % and 58 % a.a. sequence identity with MCP-1 and MCP-2, respectively. CCL7 has chemotactic function for monocytes and eosinophils, but not for neutrophils. In addition, it can also chemoattract activated NK cells.