

Recombinant Human Monocyte Chemotactic Protein 2/CCL8 (rHuMCP-2/CCL8)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	204-08
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 8.9 kDa, a single non-glycosylated polypeptide chain containing 76 amino acids.
Quantity:	2µg /10µg /1000µg
AA Sequence:	QPDSVSIPIT CCFNVINRKI PIQRLESYTR ITNIQCPKEA VIFKTKRGKE VCADPKERWV RDSMKHLDQI FQNLKP
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood 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, 100 mM NaCl.
Endotoxin:	Less than 1 EU/µg of rHuMCP-2/CCL8 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. <ul style="list-style-type: none">● 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 2/CCL8

Human CCL8, also known as monocyte chemotactic protein 2 (MCP-2), is belonging to the CC chemokine family. It is encoded by the gene CCL8. MCP-2 has two homogeneous MCP-1 (CCL2) and MCP-3 (CCL7). These three MCPs were found by IL-1-beta triggered human MG-63 osteosarcoma cells. CCL8 shares 62 % amino acid sequence identity with MCP-1, and shares 58 % amino acid sequence identity with MCP-2. CCL8 has chemotactic function for monocytes, eosinophils and neutrophils. In addition, it can also chemoattract activated NK cells.