

# Growth Factor Data Sheet

GoldBio growth factors are manufactured for RESEARCH USE ONLY and cannot be sold for human consumption!

CCL7 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed and secreted by T cells, monocytes, macrophages, and a variety of tumor cell lines. Expression is induced by IFNG and inhibited by IL13. It is chemotactic for monocytes, eosinophils, and NK cells and regulates protease secretion by macrophages which may contribute to metastasis of cancer cells. CCL7 is a ligand for CCR1, CCR2, CCR3, CCR10, and ACKR2 (D6).

<b>Catalog Number</b>	<b>2140-07</b>
<b>Product Name</b>	<b>CCL7, Human</b> Recombinant Human Chemokine (C-C motif) Ligand 7 (CCL7) Monocyte Chemoattractant Protein 3 (MCP3, MCP-3) Small Inducible Cytokine Subfamily A Member 7 (SCYA7) Fibroblast-Inducible Cytokine (FIC)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~9.0 kDa (76 amino acids)
<b>Sequence</b>	QPVGINTSTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPKL
<b>Accession Number</b>	<a href="#">P80098</a>
<b>Purity</b>	>97% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration of 10-100 ng/ml.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
<b>Reconstitution</b>	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.