

# Growth Factor Data Sheet

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

CCL13 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed in epithelial cells and endothelial cells. Expression of CCL13 is induced by IL6 in primary synovial fibroblasts and activates the proliferation of rheumatoid synovial cells, contributing to the destruction of joints in rheumatoid arthritis. CCL13 is chemotactic for monocytes, T lymphocytes, and eosinophils. It stimulates histamine release from basophils and is a biomarker for asthma. CCL13 is a ligand for CCR2B, CCR3, and the viroreceptor M3.

<b>Catalog Number</b>	<b>2140-13</b>
<b>Product Name</b>	<b>CCL13, Human</b> Recombinant Human Chemokine (C-C motif) Ligand 13 (CCL13) Monocyte Chemotactic Protein 4 (MCP4, MCP-4) Small Inducible Cytokine Subfamily A Member 13 (SCYA13) New CC Chemokine 1 (NCC1) Chemokine Beta 10 (CKB10)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~8.6 kDa (75 amino acids)
<b>Sequence</b>	QPDALNVPST CCFTFSSKKI SLQRLKSYVI TTSRCPQKAV IFRTKLGKEI CADPKEKWVQ NYMKHLGRKA HTLKT
<b>Accession Number</b>	<a href="#">Q99616</a>
<b>Purity</b>	>96% 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.