

# Growth Factor Data Sheet

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

CCL3L1 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed by T-cells, B-cells, and various tumor cells lines and has been identified as a G0/G1 switch gene in these cells. CCL3L1 plays an important role in the recruitment and activation of polymorphonuclear leukocytes in the acute inflammatory state, an inhibitory role in hematopoiesis, and displays inhibitory activity against strains of HIV-1, HIV-2, and SIV. CCL3L1 is a ligand for CCR1, CCR4, and the HIV-1 coreceptor CCR5. CCL3L1 has 6-fold higher affinity for CCR5 than CCL3 and is 30-fold more potent than CCL3 at inhibiting HIV-1 infection in cells expressing CCR5.

<b>Catalog Number</b>	<b>2140-03A</b>
<b>Product Name</b>	<b>CCL3L1, Human</b> Recombinant Human Chemokine (C-C motif) Ligand 3-Like 1 (CCL3L1) Monocyte Chemoattractant Protein 1, Alpha P (MCP1 $\alpha$ P, MCP-1 $\alpha$ P) Small Inducible Cytokine Subfamily A Member 3-Like 1 (SCYA3L1) LD78-Beta G0/G1 Switch Gene 19-2 (GOS-19-2)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~7.8 kDa (70 amino acids)
<b>Sequence</b>	APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV CADPSEEWVQ KYVSDLELSA
<b>Accession Number</b>	<a href="#">P16619</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 1-10 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.