

# Growth Factor Data Sheet

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

CCL20 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed in the liver as well as in lymphocytes, monocytes, and leukemia cells that have been induced by a mediator of inflammation, such as IFNG, IL1B, LPS, or PMA. It is upregulated in psoriasis because of proinflammatory mediators produced in the skin and attracts T lymphocytes to lesions. CCL20 is chemotactic mainly for lymphocytes, but also for granulocytes and immature dendritic cells. It is a ligand for CCR6.

<b>Catalog Number</b>	<b>2140-20</b>
<b>Product Name</b>	<b>CCL20, Human</b> Recombinant Human Chemokine (C-C motif) Ligand 20 (CCL20) Liver and Activation Regulated Chemokine (LARC) Small Inducible Cytokine Subfamily A Member 20 (SCYA20) Chemokine Beta 12 (Ckb12) Exodus, Exodus-1 Macrophage Inflammatory Protein 3, Alpha (MIP3 $\alpha$ , MIP-3 $\alpha$ )
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~8.0 kDa (70 amino acids)
<b>Sequence</b>	ASNFDCCLGY TDRILHPKFI VGFTRLANE GCDINAIIFH TKKKLSVCAN PKQTVWKYIV RLLSKKVKNM
<b>Accession Number</b>	<a href="#">P78556</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 T-lymphocytes is in a concentration of 10-50 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.