

Growth Factor Data Sheet

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

CCL21 is a chemokine containing six conserved cysteine residues, two of which are adjacent. It is expressed in high endothelial venules of lymph nodes, as well as tonsils, breast stromal cells, and a variety of other cells. Expression of CCL21 is inhibited by IFNG. It is chemotactic for peripheral blood lymphocytes and plays a major role in initiation and expansion of adaptive immune responses, as well as development of local lymphoid tissue. CCL21 is a ligand for CCR7, as well as CXCR3 and the viroreceptor M3.

Catalog Number	2140-21
Product Name	CCL21, Human Recombinant Human Chemokine (C-C motif) Ligand 21 (CCL21) T Cell Activation 4 (TCA4, TCA-4) Small Inducible Cytokine Subfamily A Member 21 (SCYA21) Secondary Lymphoid Tissue Chemokine (SLC) Exodus 2
Source	<i>Escherichia coli</i>
MW	~12.2 kDa (111 amino acids)
Sequence	SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCK RTERSQTPKG P
Accession Number	O00585
Purity	>97% 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 lymphocytes is in a concentration of 10-100 ng/ml.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	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.
Reconstitution	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.