

Growth Factor Data Sheet

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

CCL1 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed in and secreted from activated T-cells and it is chemotactic for monocytes, natural killer (NK) cells, and immature B-cells and dendritic cells. CCL1 has been shown to increase cytoplasmic calcium levels, protect T-cell lymphomas from apoptosis, and inhibit myeloid progenitors from proliferating. CCL1 is a ligand for CCR8 and is blocked by the viral CCR8 antagonist MC148R.

Catalog Number	2140-01
Product Name	CCL1, Human Recombinant Human Chemokine (C-C motif) Ligand 1 (CCL1) Inflammatory Cytokine I-309 (I309) Small Inducible Cytokine Subfamily A Member 1 (SCYA1) P500 Small Inducible Secreted, Epsilon (SISE) T-Cell Activation (TCA-3)
Source	<i>Escherichia coli</i>
MW	~8.6 kDa (74 amino acids)
Sequence	SKSMQVPFSR CCFSAEQEI PLRAILCYRN TSSICSNEGL IFKLKRGKEA CALDTVGVVQ RHRKMLRHCP SKRK
Accession Number	P22362
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 T-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.