

Growth Factor Data Sheet

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

CCL4L1 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is highly homologous to CCL4 in sequence and function, but it is regulated and expressed in a slightly different manner. CCL4L1 is expressed and secreted by lymphocytes, monocytes, and various tumor cell lines. Expression of CCL4L1 is induced by IL2 and mitogens, such as phytohemmagglutinin, LPS, and the peptidoglycan of *S. aureus* and expression is inhibited by glucocorticoids, TGF-beta, and cyclosporin A. CCL4L1 is an HIV-suppressive factor produced by CD8+ T-cells. It also binds to HSV-1 virions and generates pores in the envelope of HSV-1. CCL4L1 is a ligand for CCR1, CCR3, and CCR5.

Catalog Number	2140-04A
Product Name	CCL4L1, Human Recombinant Human Chemokine (C-C motif) Ligand 4-Like 1 (CCL4L1) Macrophage Inflammatory Protein 1, Beta (MIP1B, MIP1B1) Small Inducible Cytokine Subfamily A Member 4-Like (SCYA4L) Lymphocyte Activation 1 (LAG1, LAG-1)
Source	<i>Escherichia coli</i>
MW	~7.8 kDa (69 amino acids)
Sequence	APMGSDPPTA CCFSYTARKL PRNFVVDYYE TSSLCSQPAV VFQTKRGKQV CADPSESWWQ EYVYDLELN
Accession Number	Q8NHW4
Purity	>97% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using human CCR5 transfected murine BaF3 cells is less than 2.0 ng/ml, corresponding to a specific activity of >5.0 × 10 ⁵ IU/mg.
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 with a NaCl concentration no less than 300 mM.