

Growth Factor Data Sheet

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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 and it plays a role in development of mucosal lymphoid tissue. It is a ligand for CCR6.

Catalog Number	2340-20
Product Name	CCL20, Murine Recombinant Murine Chemokine (C-C motif) Ligand 20 (CCL20) Liver and Activation Regulated Chemokine (LARC) Small Inducible Cytokine Subfamily A Member 20 (SCYA20) Chemokine Beta 4 (Ckb4, Ck-β-4) Exodus, Exodus-1 Macrophage Inflammatory Protein 3, Alpha (MIP3α, MIP-3α)
Source	<i>Escherichia coli</i>
MW	~8.0 kDa (70 amino acids)
Sequence	ASNYDCCLSY IQTPLPSRAI VGFTRQMADE ACDINAIIFH TKKRKSVCAD PKQNWVKRAV NLLSLRVKKM
Accession Number	O89093
Purity	>96% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR6 transfected murine BaF3 cells is in a concentration range of 0.1-10 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.