Growth Factor Data Sheet

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CCL15 is a chemokine containing six conserved cysteine residues that form three disulfide bonds essential for biological activity. It is often proteolytically processed in to smaller chains that are more potent as chemoattractants. CCL15 is expressed in liver, intestine, colon, and lung tissue. It is chemotactic for monocytes, T-lymphocytes, and eosinophils. CCL15 causes a change in intracellular calcium levels and a release of enzymes in monocytes. It is a ligand for CCR1, as well as CCR3 to an extent. This recombinant protein is N-terminally truncated CCL15 (25-92) and is 100-fold more potent as a chemoattractant than the non-truncated form. CCL15 (25-92) also plays a role in mediating angiogenesis.

Catalog Number **Product Name**	**2140-15T** **CCL15 (68 a.a.), Human** Recombinant Human Chemokine (C-C motif) Ligand 15 (CCL15) Hemofiltrate CC Chemokine 2 (HCC2) Small Inducible Cytokine Subfamily A Member 15 (SCYA15) New CC Chemokine 3 (NCC3) Macrophage Inflammatory Protein 5 (MIP5, MIP-5) Human MIP-related protein 2B (HMRB-2B) Leukotactin 1 (LKN1)
Source	*Escherichia coli*
MW	~7.4 kDa (68 amino acids)
Sequence	SFHFAADCCT SYISQSIPCS LMKSYFETSS ECSKPGVIFL TKKGRQVCAK PSGPGVQDCM KKLKPYSI
Accession Number	Q16663
Purity	>98% 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 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.