

Growth Factor Data Sheet

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Rat CXCL17 is a CXC chemokine appearing to lack the ELR motif, yet functioning as a chemokine that does contain the ELR motif as it plays a role in angiogenesis and is chemotactic for neutrophils. It also plays a role in regulation of mucosal inflammatory responses and is chemotactic for macrophages, monocytes, dendritic cells, and immature myeloid-derived cells. CXCL17 expression has been observed in several tissues, but appears to be restricted to mucosal sites such as the digestive system, lung airways, the urethra, and different sites of the female reproductive system. CXCL17 is a ligand for the receptor GPR35.

Catalog Number	2510-17
Product Name	CXCL17, Rat Recombinant Rat Chemokine (C-X-C motif) Ligand 17 (CXCL17) VEGF Coregulated Chemokine 1 (VCC1) Small Inducible Cytokine Subfamily B Member 17 (SCYB17) Dendritic Cell and Monocyte Chemokine-like Protein (DMC)
Source	<i>Escherichia coli</i>
MW	~11.5 kDa (97 amino acids)
Sequence	SPNQEVARHH GDQHQAPRRW LWEGGQECDC KDWSLRVSKR KTTAVLEPPR KQPCDHVKG SEKKNRRQKH HRKSQRPSRT CQQFLKRCQL ASFTLPL
Purity	>97% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by its ability to induce VEGF expression using murine endothelial cells is less than 5.0 µg/ml, corresponding to a specific activity of >200 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 BSA or serum.