Recombinant Rat Cxcl17 protein

Cat. No. Cxcl17-932R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cxcl17 protein was expressed in Escherichia coli.
Species	Rat
Source	E.coli
ProteinLength	97
Description	CXCL17 also named Dendritic Cell and Monocyte Chemokine-like Protein (DMC) and VEGF Co-regulated Chemokine 1 (VCC-1), is a small cytokine belonging to the CXC chemokine family. It is constitutively expressed in the lung and can be detected in trachea, stomach and skeletal muscle. CXCL17 attracts dendritic cells and monocytes and is regulated in tumors. It may be a housekeeping chemokine regulating recruitment of nonactivated blood monocytes and immature dendritic cells into tissues and may play a role in the innate defense against infections. Mature human CXCL17 shares 73 %, 71 % and 64 % amino acid sequence identity with bovine, mouse and rat DMC, respectively.
Form	Lyophilized from a 0.2μm filtered concentrated solution in 2 × PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 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.
Molecular Mass	Approximately 11.5 kDa, a single non-glycosylated polypeptide chain containing 97

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	amino acids.
AA Sequence	SPNQEVARHHGDQHQAPRRWLWEGGQECDCKDWSLRVSKRKTTAVLEPPRKQC PCDHVKGSEKKNRRQKHHRKSQRPSRTCQQFLKRCQLASFTLPL
Endotoxin	Less than 1 EU/μg of rRtVCC-1/CXCL17 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Cxcl17
Official Symbol	Cxcl17
Synonyms	CXCL17; chemokine (C-X-C motif) ligand 17; VEGF co-regulated chemokine 1; RGD1304717;
Gene ID	308436

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_001107491
Protein Refseq	NP_001100961
UniProt ID	D4A875

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA