

Recombinant Rat VEGF Co-regulated Chemokine 1/CXCL17 (rRtVCC-1/CXCL17)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	241-17
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 11.5 kDa, a single non-glycosylated polypeptide chain containing 97 amino acids.
Quantity:	2µg /10µg /1000µg
AA Sequence:	SPNQEVARHH GDQHQAPRRW LWEGGQECDC KDWSLRVSKR KTTAVLEPPR KQCPCDHVKG 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.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.
Endotoxin:	Less than 1EU/µg of rRtVCC-1/CXCL17 as determined by LAL method.
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 °C . Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.

Rat VEGF Co-regulated Chemokine 1/CXCL17

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.