



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## VEGF Co-regulated Chemokine 1, rat recombinant (rrCXCL17)

**Catalog No:** 97583  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Protein Cxcl17, Cxcl17, RGD1304717, C-X-C motif chemokine 17, VEGF co-regulated chemokine 1, Vcc1, VCC-1

### Background

Dendritic cell and monocyte chemokine-like protein (DMC/CXCL17/VEGF-correlated chemokine 1/VCC1), is a secreted molecule with a size and predicted 3-dimensional folding pattern similar to that of chemokines CXCL8/IL8 and CXCL14/BRAK. CXCL17 is constitutively generated by airway and intestinal epithelium. CXCL17 induces the chemotaxis of quiescent, but not LPS-activated peripheral blood monocytes and dendritic cells, and it also binds these cells specifically. The expression of CXCL17 is increased in endothelial cells when they are induced to form tubes in vitro. CXCL17, CXCL1/GRO and CXCL8/IL8 which have roles in angiogenesis, show significantly correlated expression with that of VEGF in primary lung, breast and esophageal tumors. Therefore, CXCL17 is suggested to have a role in tumor angiogenesis. The mature Rat CXCL17 shares 82%, 71% amino acid sequence identity with mouse, human CXCL17, respectively.

### Description

CXCL17 rat recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 97 amino acids and having a molecular mass of 11.5 kDa. CXCL17 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

The CXCL17 protein was lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, 300 mM NaCl, pH 7.4.

### Solubility

It is recommended to reconstitute the lyophilized CXCL17 in sterile 18 MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized CXCL17, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL17 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

SPNQEVARRH GDQHQAPRRW LWEGGQECDC KDWSLRVSKR KTTAVLEPPR KQPCPDHVKG SEKKNRRQKH HRKSQRPSRT  
CQQFLKRCQL ASFTLPL

### Activity

Measured by its ability to induce VEGF expression in mouse endothelial cells. The ED<sub>50</sub> for this effect is typically 1 - 5 µg/ml.



**Usage**

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