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# CXCL17 Human

*VEGF Co-regulated Chemokine 1 Human Recombinant*
*CHK0022*

## Product Overview

| | |
|---|---|
| Name | CXCL17 Human |
| **Description** | |
| VEGF Co-regulated Chemokine 1 Human Recombinant | |
| Accession (Primary) | Q6UXB2 |
| **Synonyms** | |
| VEGF coregulated chemokine 1, C-X-C motif chemokine 17, Dendritic cell and monocyte chemokine-like protein, DMC, CXCL17, VCC1, Dcip1, VCC-1, UNQ473. | |
| **Introduction** | |
| Dendritic cell and monocyte chemokinelike 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. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| CXCL17 protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4, containing 3% Trehalose. | |
| **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** | |

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Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Amino acid sequence**

SSLNPGVARG HRDRGQASRR WLQEGGQECE CKDWFLRAPR RKFMTVSGLP KKQCPCDHFK GNVKKTRHQR HHRKPNKHSR ACQQFLKQCQ LRSFALPL.

**Biological Activity**

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 > 200IU/mg.

**Solubility**

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

**Precautions**

CXCL17 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q6UXB2 )