

Recombinant Human VEGF Co-regulated Chemokine 1/CXCL17 (Human VCC-1/CXCL17)

Product Information

Product Name	Cat#	Size
Recombinant Human VEGF Co-regulated Chemokine 1/CXCL17 (Human VCC-1/CXCL17)	90918ES08	5 µg
	90918ES60	100 µg
	90918ES76	500 µg

Product 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. CXCL17 was the last chemokine ligand to be described and is the 17th member of the CXC chemokine family. Its strategic expression in mucosal tissues suggests that it is involved in innate immunity and/or sterility of the mucosa. Mature human DMC shares 73%, 71% and 64% amino acid sequence identity with bovine, mouse and rat DMC, respectively. 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. CXCL17 also has a role in angiogenesis of importance for tumour development.

Product Properties

Synonyms	C-X-C Motif Chemokine 17, CXCL17, Dcip1, DMC, UNQ473, VCC-1, VEGF Coregulated Chemokine 1, VEGF Co-Regulated Chemokine 1
Accession	Q6UXB2
GeneID	284340
Source	E.coli-derived human VCC-1/CXCL17 protein, Ser22-Leu119.
Molecular Weight	Approximately 11.5 kDa.
AA Sequence	SSLNPGVARG HRDRGQASRR WLQEGGQECE CKDWFLRAPR RKFMTVSGLP KKQCPCDHFK GNVKKTRHQR HHRKPNKHSR ACQQFLKQCQ LRSFALPL
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>96% by SDS-PAGE and HPLC analyses.
Biological Activity	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. Fully biologically active when compared to standard.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 3 % Trehalose. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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 and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!