

Recombinant Rat VEGF Co-regulated Chemokine 1/CXCL17

(Rat VCC-1/CXCL17)

Product Information

Product Name	Cat#	Size
Recombinant Rat VEGF Co-regulated Chemokine 1/CXCL17 (Rat VCC-1/CXCL17)	90996ES10	10 µg
	90996ES60	100 µg
	90996ES76	500 µg

Product Description

Dendritic cell and monocyte chemokine-like protein (DMC), also known as VEGF-correlated chemokine-1 (VCC-1), is a secreted molecule with a size and predicted three-dimensional folding pattern similar to that of chemokines CXCL8/IL-8 and CXCL14/BRAK. It has no predicted N-glycosylation sites, so cleavage of a 22 amino acid (aa) signal sequence likely results in a mature mouse DMC molecule of 97 aa and 11 kDa size. DMC is constitutively produced by airway and intestinal epithelium. It induces the chemotaxis of quiescent, but not LPS-activated peripheral blood monocytes and dendritic cells, and also binds these cells specifically.

Product Properties

Synonyms	Dendritic Cell and Monocyte Chemokine-like Protein, DMC
Source	E.coli-derived Rat CXCL17 protein, Ser23-Leu119.
Molecular Weight	Approximately 11.5 kDa
AA Sequence	SPNQEVARHH GDQHQAPRRW LWEGGQECDC KDWSLRVSKR KTTAVLEPPR KQPCDHSVKG SEKKNRRQKH HRKSQRPSRT CQQLKRCQL ASFTLPL
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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.
Endotoxin	<0.1 EU/µg of protein as determined by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. 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.

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2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.