
Product Data Sheet

Product Name: CXCL17 Human, His
 Cat. No.: GP21083
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dcip1; DMC; MGC138300; UNQ473; VCC-1; VCC1; VEGFcoregulated chemokine 1; C-X-C motif chemokine 17; Dendritic cell and monocytechemokine-like protein.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSSLNPGVAR GHRDRGQASR RWLQEGGQEC ECKDWFLRAP RRKFMTVSGL PKKQCPCDHFKGNVKKTRHQ RHHRKPNKHS RACQQFLKQC QLRSFALPL.		
Formulation	CXCL17 protein solution (0.5mg/ml) contains 20mM Tris-HClbuffer (pH 8.0), 0.4M Urea and 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CXCL17 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 119 amino acids (22-119 a.a) and having a molecular mass of 13.7kDa. CXCL17 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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