Recombinant human VCC-1/CXCL17 protein

Catalog Number: ATGP2591

PRODUCT INFORMATION

Expression system
E.coli

Domain
22-119aa

UniProt No.
Q6UXB2

NCBI Accession No.
NP_940879

Alternative Names
VEGF coregulated chemokine 1, VCC-1, VCC1, uNQ473, MGC138300, DMC, Dendritic cell and monocyte chemokine-like protein, Dcip1, C-X-C motif chemokine ligand 17, Chemokine (C-X-C motif) ligand 17, 6-Cys CXCL17

PRODUCT SPECIFICATION

Molecular Weight
13.7 kDa (119aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Chemokine (C-X-C motif) ligand 17, also known as CXCL17, is a small cytokine belonging to the CXC chemokine family. CXCL17 is a 119 amino acid secreted protein that plays a role in angiogenesis. CXCL17 is expressed in skeletal muscle, trachea, lung, intestine and stomach, and is upregulated in duodenal mucosa of patients with acute cholera, as well as breast tumors. CXCL17 is considered a housekeeping chemokine for the movement of

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immature dendritic cells and non activated blood monocytes into tissues, and is thought to be involved in the innate immune response. Recombinant human CXCL17 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

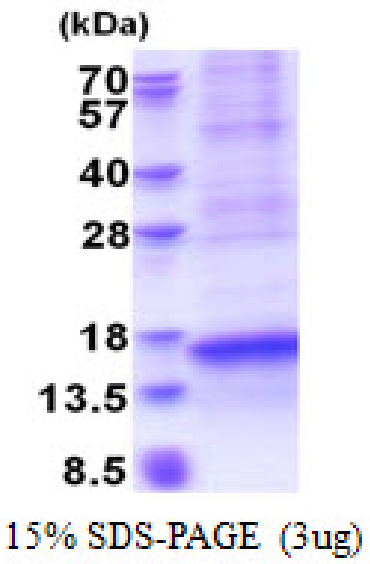
MGSSHHHHHH SSGLVPRGSH MSSLNPGVAR GHRDRGQASR RWLQEGGQEC ECKDWFLRAP RRKFMTVSGL PKKQCPCDHF KGNVKKTRHQ RHHRKPNKHS RACQQFLKQC QLRSFALPL

General References

Weinstein E J., et al. (2006) Biochem Biophys Res Commun. 350:74-81.
Hiraoka N., et al. (2011) Gastroenterology. 140:310-321.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.