

# Recombinant human VEGF-C protein

Catalog Number: ATGP3309

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

112-227aa

### UniProt No.

P49767

### NCBI Accession No.

NP\_005420

### Alternative Names

Vascular endothelial growth factor C, Flt4-L, LMPH1D, VRP

## PRODUCT SPECIFICATION

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### Molecular Weight

14.2 kDa (125aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### 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

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### Description

VEGFC, also known as vascular endothelial growth factor C, is a member of the VEGF family. This growth factors play key roles in the physiology and pathology of many aspects of the cardiovascular system including hematopoiesis, angiogenesis and vascular permeability. Traces of VEGFC are also detected in brain, liver, thymus, skeletal muscles, spleen, prostate, testis and colon. Unlike other VEGF family members, VEGFC

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expression is not regulated by hypoxia. Recombinant human VEGFC, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

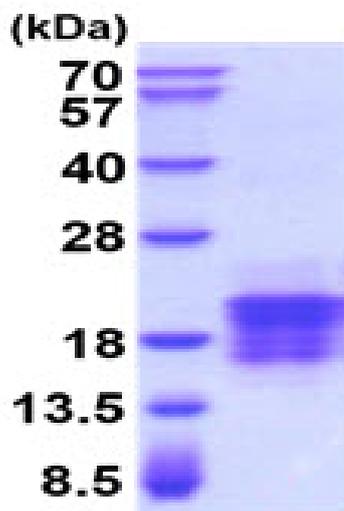
ADPAHYNTEI LKSIDNEWRK TQCMPEVCI DVGKEFGVAT NTFFKPPCVS VYRCGGCCNS EGLQCMNTST SYLSKTLFEI  
TVPLSQGPKP VTISFANHTS CRCMSKLDVY RQVHSIIRRH HHHHH

### General References

Hatano Y., et al. (2014) Biochem. Biophys. Res. Commun. 446:149-154.  
Ciobanu M., et al. (2013) Rom J Morphol. Embryol. 54:925-934.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 $\mu$ g)