

Recombinant human VEGF-C protein

Catalog Number: ATGP3309

PRODUCT INFORMATION

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

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

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

Recombinant human VEGF-C protein

Catalog Number: ATGP3309

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

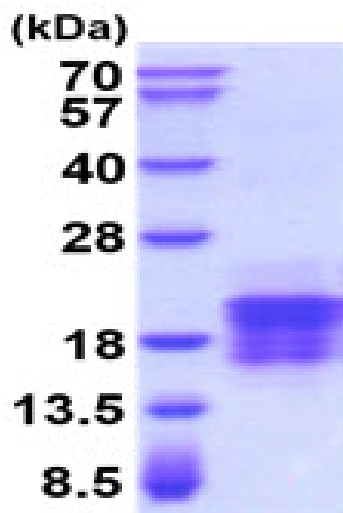
General References

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



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

15% SDS-PAGE (3ug)