

Datasheet for ABIN7520639  
**VEGFC Protein (His tag)**[Go to Product page](#)

## Overview

Quantity:	10 µg
Target:	VEGFC
Origin:	Rat, Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFC protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse/Rat VEGF-C Protein
Sequence:	AHYNTEILKS IDNEWRKTC MPREVCIDVG KEFGAATNTF FKPPCVSVYR CGGCCNSEGL QCMNTSTGYL SKTLFEITVP LSQGPKPVTI SFANHTSCRC MSKLDVYRQV HSIIRR
Specificity:	Ala108-Arg223
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<1EU/µg

## Target Details

Target:	VEGFC
Alternative Name:	VEGF-C ( <a href="#">VEGFC Products</a> )
Background:	Description: Vascular endothelial growth factor C (VEGF-C) is a member of the VEGF family.

## Target Details

Upon biosynthesis, VEGF-C protein is secreted as a non-covalent momodimer in an anti-parallel fashion. VEGF-C protein is a dimeric glycoprotein, as a ligand for two receptors, VEGFR-3 (Flt4), and VEGFR-2. VEGF-C may function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis. VEGF-C protein is over-expressed in various human cancers including breast cancer and prostate cancer. VEGF-C/VEGFR-3 axis, through different signaling pathways, plays a critical role in cancer progression by regulating different cellular functions, such as invasion, proliferation, and resistance to chemotherapy. Thus, targeting the VEGF-C/VEGFR-3 axis may be therapeutically significant for certain types of tumors.

Name: VEGFC,Flt4-L,LMPH1D,VRP

Gene ID: 22341

UniProt: [P97953](#)

Pathways: [RTK Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Concentration: 0.58 mg/mL

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, 10 % glycerol, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.