

Datasheet for ABIN2018451  
**VEGFC Protein (AA 102-227)**



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## Overview

Quantity:	50 µg
Target:	VEGFC
Protein Characteristics:	AA 102-227
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

## Product Details

Characteristics:	Measured in a cell proliferation assay using HMVEC human microvascular endothelial cells. The ED50 for this effect is < 0.5 µg/mL. AA 102-227 with an N-terminal Met.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

## Target Details

Target:	VEGFC
Alternative Name:	Vascular Endothelial Growth Factor C (VEGF-C) ( <a href="#">VEGFC Products</a> )
Background:	Vascular endothelial growth factor C (VEGF-C) is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis, lymphangiogenesis and endothelial cell growth and survival, and can also affect the

## Target Details

permeability of blood vessels. VEGF-C is expressed in various tissues, however it is not produced in peripheral blood lymphocytes. It forms cell surface-associated non-covalent disulfide linked homodimers, and can bind and activate both VEGFR-2 (flk1) and VEGFR-3 (flt4) receptors. The structure and function of VEGF-C is similar to those of vascular endothelial growth factor D (VEGF-D). Recombinant human VEGF-C produced in HEK293 cells is a polypeptide chain containing 126 amino acids. A fully biologically active molecule, rhVEGF-C has a molecular mass of 16-19 kDa analyzed by reducing SDS-PAGE.

Synonyms: Flt4 ligand, VRP

Molecular Weight:	16-19 kDa, observed by reducing SDS-PAGE.
UniProt:	<a href="#">P14844</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Human Vascular Endothelial Growth Factor C remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Vascular Endothelial Growth Factor C should be stable up to 1 week at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months