

Bioactive

HuPro®

VEGFC (Human) Recombinant Protein

Catalog # P7485

Size 10 ug

Specification

Product Description	Human VEGFC (P49767, 112 a.a. - 227 a.a.) partial recombinant protein expressed with an N-terminal Met in HEK293 cells.
Sequence	AHYNTEILKSIDNEWRKTCMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMN TSTSYLSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIRR
Host	Human
Theoretical MW (kDa)	16 ~ 19
Form	Lyophilized
Preparation Method	Mammalian cell (HEK 293) expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED ₅₀ < 0.5 ug/mL, measured in a cell proliferation assay using HMVEC human microvascular endothelial cells.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

- SDS-PAGE

Gene Info — VEGFC

Entrez GeneID	7424
Protein Accession#	P49767
Gene Name	VEGFC
Gene Alias	Flt4-L, VRP
Gene Description	vascular endothelial growth factor C
Omim ID	601528
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-3 receptors. Only the fully processed form can bind and activate VEGFR-2 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor D. [provided by RefSeq]
Other Designations	FLT4 ligand DHM vascular endothelial growth factor-related protein

Pathway

- [Bladder cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [mTOR signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Angina Pectoris](#)
- [Anoxia](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Femur Head Necrosis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Lymphedema](#)
- [Myocardial Infarction](#)
- [Obstetric Labor](#)
- [Osteonecrosis](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Tobacco Use Disorder](#)