

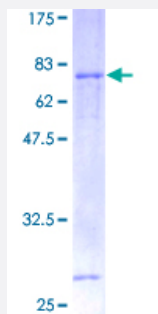
Full-Length

VEGFC (Human) Recombinant Protein (P01)

Catalog # H00007424-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VEGFC full-length ORF (NP_005420, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MHLLGFFSVACSLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEEQLRSVS
SVDELMTVLYPEYWKMVKCQLRKGGWQHNRQANLNSRTEETIKFAAAHYNTEILKSIDNEWRT
QCMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSYLSKTLFEITVPLSQ
GPKPVTISFANHNTSCRCMSKLDVYRQVHSIIRSLPATLPQCAANKTCPTNYMWNNHICRCLAE
DFMFSSDAGDDSTDGFHDICGPNKELDEETCQCVCRAGLRPASCGPHKELDRNSCQCVCCKNK
LFPSQCGANREFDENTCQCVCCKRTCPRNQPLNPGKACECTESPQKCLLKGGKFHHQTCSYR
RPCTNRQKACEPGFSYSEEVCRVCPSYWKRPQMS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.72

Interspecies Antigen Sequence

Mouse (85); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — VEGFC

Entrez GeneID	7424
GeneBank Accession#	NM_005429.1
Protein Accession#	NP_005420
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

Publication Reference

- [Soluble vascular endothelial growth factor receptor 3 is essential for corneal alymphaticity.](#)

Singh N, Tiem M, Watkins R, Cho YK, Wang Y, Olsen T, Uehara H, Mamalis C, Luo L, Oakey Z, Ambati BK.

Blood 2013 May; 121(20):4242.

Application: ELISA, Mouse, Cornea

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](#)