

Recombinant Human VEGFC, Fc-tagged

Cat. No. VEGFC-31451TH **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant full length human VEGFC expressed in modified human 293 cells; secreted disulfide linked antiparallel homodimer; 45-55kDa. |
| Species | Human |
| Description | 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. |
| Conjugation | Fc |
| Form | Lyophilised: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not reco |
| Purity | >95% by SDS-PAGE |
| Storage buffer | Preservative: None Constituents: 10% Trehalose, 1% Human serum albumin |
| Storage | Store at +4°C. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

TheoreticalSequence:FESGLDLSDAEPDAGEAT AYASKDLEEQLRSVSSVDELMTVL
 YPEYWKMVKCQLRK GGWQHNREQANLNSRTEETIKFAAAHYNTEILKSIDNEWRK
 TQCMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGC CNSEGLQCMNTSTSYLSK
 TLFEITVPLSQGPKPVTISF ANHTSCRCMSKLDVYRQVHSIIRRDisulfide bonded to:S
 LPATLPQCQAANKTCPTNYMWNHICRCLAQEDF MFSSDAGDDSTDGFHDICGPN
 KELDEETCQCVCRAGLR PASCOPHKELDRNSQCVCCKNKLFPSSQCGANREFDEN
 T CQCVCCKRTCPRNQPLNPGKCACECTESPQKCLLKGGKF HHQTCSCYRRPCTNR
 QKACEPGFSYSEEVCRCVPSYWKRPMQMSNote: N-terminal sequences confirmed b
 y Edman sequencing.

Full Length Full L.

GENE INFORMATION

Gene Name [VEGFC vascular endothelial growth factor C \[Homo sapiens \]](#)

Official Symbol [VEGFC](#)

Synonyms VEGFC; vascular endothelial growth factor C; VRP;

Gene ID [7424](#)

mRNA Refseq [NM_005429](#)

Protein Refseq [NP_005420](#)

MIM [601528](#)

Uniprot ID [P49767](#)

Chromosome 4q34.3

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|-----------------|--|
| Location | |
| Pathway | Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; |
| Function | chemoattractant activity; growth factor activity; protein binding; vascular endothelial growth factor receptor 3 binding; |

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