

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.

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Sequences of amino acids

TheoreticalSequence:FESGLDLSDAEPDAGEAT AYASKDLEEQLRSVSSVDELMTVL
 YPEYWKMVKCQLRK GGWQHNREQANLNSRTEETIKFAAAHYNTEILKSIDNEWRK
 TQCMPREVCIDVGKEFGVATNTFFKPPCVSVYRCGGC CNSEGLQCMNTSTSYLSK
 TLFEITVPLSQGPKPVTISF ANHTSCRCMSKLDVYRQVHSIIRDisulfide bonded to:S
 LPATLPQCQAANKTCPTNYMWNNHICRCLAQEDF MFSSDAGDDSTDGFHDICGPN
 KELDEETCQCVCRAGLR PASCGRAPHKELDRNSQCVCCKNKLFPSCGANREFDEN
 T CQCVCKRTCPRNQPLNPGKCACECTESPQKCLLKGGKF HHQTCSCYRRPCTNR
 QKACEPGFSYSEEVCRCVPSYWKRPQMSNote: 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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