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32-20537: Recombinant Human VEGF-C(Discontinued)

Reactivity : Human, Mouse
Alternative Name : Vascular Endothelial Growth Factor-C, VRP, Flt4 ligand

Description

Source:HEK293 cells
VEGF-C, a member of the VEGF/PDGF family of structurally-related proteins, is a potent angiogenic cytokine. It promotes endothelial cell growth, promotes lymphangiogenesis, and can also affect vascular permeability. VEGF-C is expressed in various tissues, but is not produced in peripheral blood lymphocytes. It forms cell surfaced-associated, non-covalent, disulfide-linked homodimers, and can bind and activate both VEGFR-2 (flk1) and VEGFR-3 (flt4) receptors. During embryogenesis, VEGF-C may play a role in the formation of the venous and lymphatic vascular systems. Both VEGF-C and VEGF-D are over-expressed in certain cancers, and the resulting elevated levels of VEGF-C or VEGF-D tend to correlate with increased lymphatic metastasis. Recombinant Human VEGF-C is a non-disulfide-linked homodimeric protein consisting of two 13.5 kDa polypeptide chains of 116 amino acid residues. Due to glycosylation, the protein migrates as a 20.0-22.0 kDa band by SDS-PAGE analysis under non-reducing conditions.

Product Info

Amount : 5 µg / 20 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : AHYNTEILKS IDNEWRKTQC MPREVCIDVG KEFGVATNTF FKPPCVSVYR CGGCCNSEGL QCMNTSTSYL SKTLFEITVP LSQGPKPVTI SFANHTSCRC MSKLDVYRQV HSIIRR

Application Note

Determined by its ability to stimulate the proliferation of human microvascular endothelial cells (HMVEC) in low serum conditions.