

## 32-20538: Recombinant Human VEGF-C(Discontinued)

**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 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 30.0-33.0 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 IDNEWKTKQC MPREVCIDVG KEFGVATNTF FKPPCVSVYR CGGCCNSEGL QCMNTSTSYL SKTLFEITVP LSQGPVPTI SFANHTSCRC MSKLDVYRQV HSIIRR

### Application Note

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