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Recombinant Human VEGF-C
Catalog # PBG10475

Specification

Recombinant Human VEGF-C - Product Information

Recombinant Human VEGF-C - Additional Information

Description
VEGF-C, a member of the VEGF/PDGF family of structurally related proteins, is a potent angiogenic cytokine. It promotes endothelial cell growth, promotes lymphangiogesis, 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 13.5 kDa non-disulfide linked homodimeric protein consisting of two 116 amino acid polypeptide chains. Due to glycosylation the protein migrates as a 20.0-22.0 kDa band under non-reducing condition.

BiologicalActivity
Determined by its ability to support rat Retinal Ganglion Cells (RGC-5) cell growth in low serum media.<o:p></o:p>

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Recombinant Human VEGF-C is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human VEGF-C - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Recombinant Human VEGF-C - Images