9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

VEGFC Human, Sf9

Vascular Endothelial Growth Factor C Human Recombinant, Sf9
GRF0427

Product Overview

Name	VEGFC Human, Sf9

Description

Vascular Endothelial Growth Factor C Human Recombinant, Sf9

Accession (Primary)	P49767

Synonyms

Vascular Endothelial Growth Factor C, Vascular Endothelial Growth Factor-Related Protein, Flt4-L, VRP, FLT4 Ligand DHM, Flt4 Ligand, LMPH1D, VEGF-C, Vascular endothelial growth factor C, VEGF-C, Flt4 ligand, Flt4-L, Vascular endothelial growth factor-related protein.

Introduction

VEGF-C, also known as Vascular Endothelial Growth Factor Related Protein (VRP), is a recently discovered VEGF growth factor family member that is most closely related to VEGF-D. Human VEGF-C cDNA encodes a pre-pro-protein of 416 amino acids residues. It is almost identical to the mouse VEGF-C protein. Similar to VEGF-D, VEGF-C has a VEGF homology domain spanning the middle third of the precursor molecule and long N- and C-terminal extensions. In adults, VEGF-C is highly expressed in heart, placenta, ovary and small intestine. Recombinant human VEGF-C, lacking the N- and C-terminal extensions and containing only the middle VEGF homology domain, forms primarily non-covalently linked dimers. This protein is a ligand for both VEGFR-2/KDR and VEGFR-3/FLT-4. Since VEGFR-3 is strongly expressed in lymphatic endothelial cells, it has been postulated that VEGF-C is involved in the regulation of the growth and/or differentiation of lymphatic endothelium. Although recombinant human VEGF-C is also a mitogen for vascular endothelial cells, it is much less potent than VEGF-A.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

VEGFC protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADP AHYNTEI LKSIDNEWRK TQCMPREVCI DVGKEFGVAT NTFFKPPCVS VYRCGGCCNS EGLQCMNTST

SYLSKTLFEI TVPLSQGPKP VTISFANHTS CRCMSKLDVY RQVHSIIRR H HHHHH .

Precautions

VEGFC Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49767)