

Vascular Endothelial Growth Factor C Active Protein | VEGFC active protein

Recombinant Human Vascular Endothelial Growth Factor C

CATALOG #
AAA38552

PRODUCT SYNONYMS

Vascular Endothelial Growth Factor C; Recombinant Human Vascular Endothelial Growth Factor C; VEGF C Human; Vascular Endothelial Growth Factor C Human Recombinant; VEGF-C; Vascular endothelial growth factor C; VRP; Flt4 ligand; Flt4-L; Vascular endothelial growth factor-related protein; VEGFC; VEGFC active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	Each mg of VEGF-C Human contains 50mg BSA and 1xPBS as buffer. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	419
Source	Sf9 Insect Cells
Biological Activity	Measured by its ability to induce to the VEGFR-3/ FLT-4 receptor phosphorylation inPAEC/VEGFR3 cells and VEGFC induced proliferation of primary HDLEC cells.
Solubility	It is recommended to reconstitute the lyophilized VEGF-C in sterile 18M Omega -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized VEGF-C although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-C should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for VEGFC active protein	Description: VEGF-C Human Recombinant contains 121 amino acids residues including 6 amino acid His-tag fused at the C-terminal end. As a result of glycosylation VEGF-C migrates as an 18-24 kDa protein in SDS-PAGE under reducing conditions. 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 vascularendothelial cells, it is much less potent than VEGF-A.
Product Categories/Family for VEGFC active protein	Cytokines and Growth Factors; Growth Factors; VEGF

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885653
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NCBI GeneID	7424
NCBI Accession #	NP_005420.1
NCBI GenBank Nucleotide #	NM_005429.4
UniProt Accession #	P49767; B2R9Q8
NCBI Official Full Name	vascular endothelial growth factor C preproprotein
NCBI Official Synonym Full Names	vascular endothelial growth factor C
NCBI Official Symbol	VEGFC
NCBI Official Synonym Symbols	VRP; Flt4-L; LMPH1D
NCBI Protein Information	vascular endothelial growth factor C; FLT4 ligand DHM; vascular endothelial growth factor-related protein
UniProt Protein Name	Vascular endothelial growth factor C
UniProt Gene Name	VEGFC
UniProt Synonym Gene Names	VEGF-C; Flt4-L; VRP
UniProt Entry Name	VEGFC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vegfc-active-protein/vascular-endothelial-growth-factor-c/38552>