

# Recombinant Human Vascular Endothelial Growth Factor C

**Cat. No.** VEGFC-352H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Vascular endothelial growth factor C (VEGF-C) is a member of the VEGF family and is known to be associated with angiogenesis and lymphangiogenesis in various cancers. VEGF-C plays a key role in the physiology and pathology of many aspects of the cardiovascular system, including vasculogenesis, hematopoiesis, angiogenesis and vascular permeability. VEGF-C may participate in the development and progression of angiogenic diseases.
<b>Amino Acid Sequence</b>	MAHYNTEILK SIDNEWRKTQ CMPREVCIDV GKEFGVATNT FFKPPCVSVY RCGGCCNSEG LQCMNTSTSY LSKTLFEITV PLSQGPKPVT ISFANHTSCR CMSKLDVYRQ VHSIIRR.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human VEGF-C is Mr 15.4 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 23 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Formulation</b>	The protein was 0.2 µ filtered and lyophilized from PBS.

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**Endotoxin** <1.0 EU/g as determined by the LAL method.

**Storage And Stability** This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

## GENE INFORMATION

**Gene Name** [VEGFC vascular endothelial growth factor C \[ Homo sapiens \]](#)

**Synonyms** vascular endothelial growth factor C; VRP; Flt4-L; VEGFC; FLT4 ligand DHM; vascular endothelial growth factor-related protein; VEGF-C; Flt4 ligand; Vascular endothelial growth factor-related protein

**Gene ID** [7424](#)

**mRNA Refseq** [NM\\_005429](#)

**Protein Refseq** [NP\\_005420](#)

**MIM** [601528](#)

**UniProt ID** [P49767](#)

**Chromosome Location** 4q34.3

**Pathway** Bladder cancer; Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Pathways in cancer; Renal cell carcinoma; mTOR signaling pathway; Hemostasis; Signaling by VEGF

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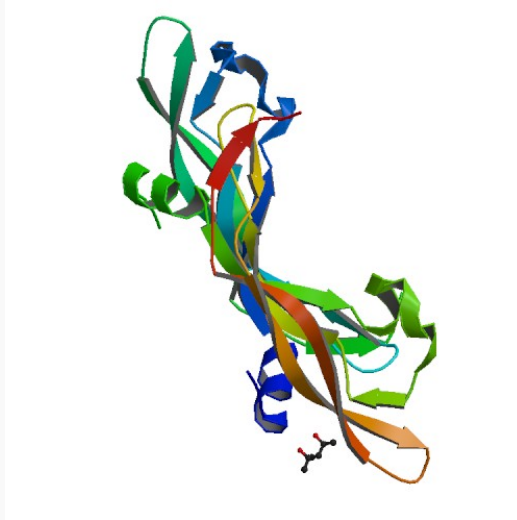
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**Function**

growth factor activity; vascular endothelial growth factor receptor 3 binding

PDB rendering based  
on 2c7w.



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