Recombinant Human Vascular Endothelial Growth Factor C

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

SPECIFICATION

Product Overview	
Species	Human
Source	Mammalian Cells
Description	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.
Amino Acid Sequence	MAHYNTEILK SIDNEWRKTQ CMPREVCIDV GKEFGVATNT FFKPPCVSVY RCGGCCNSEG LQCMNTSTSY LSKTLFEITV PLSQGPKPVT ISFANHTSCR CMSKLDVYRQ VHSIIRR.
Molecular Weight	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.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.

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Formulation	The protein was 0.2 μm filtered and lyophilized from PBS.
Endotoxin	<1.0 EU/μg 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

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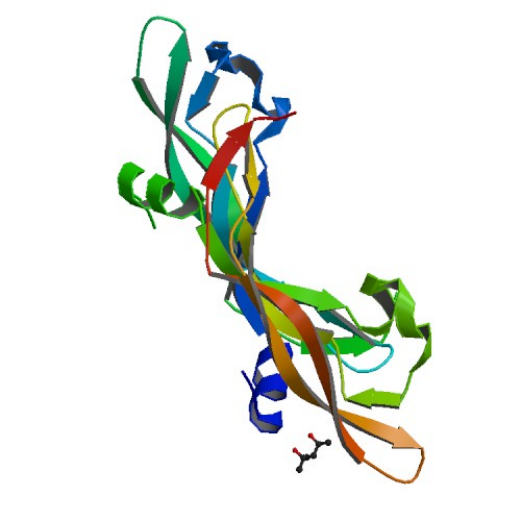
	cancer; Pathways in cancer; Renal cell carcinoma; mTOR signaling pathway; Hemostasis; Signaling by VEGF
Function	growth factor activity; vascular endothelial growth factor receptor 3 binding
PDB rendering based on 2c7w.	

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