

# Recombinant Human Vascular Endothelial Growth Factor C, His-tagged

Cat. No. VEGFC-615H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The recombinant human protein contains N-terminal and C-terminal His-tags (167 aa, MW 18.772 kDa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The recombinant VEGFC (Vascular Endothelial Growth Factor-C) lacks the N-terminal signal peptide and includes amino acids from T103 to R227 of Gene Bank U58111.
<b>Biological Activity</b>	Activity of VEGFC is tested by the stimulation of VEGF-R3 phosphorylation in cells transfected with VEGF-R3. The expected ED50 is > 200 ng/ml.
<b>Molecular Weight</b>	18.772 kDa
<b>Form</b>	Lyophilized without additives.
<b>Appearance</b>	Lyophilized protein
<b>Endotoxin Level</b>	<0.1 ng/μg
<b>Reconstitution</b>	We recommend a quick spin followed by reconstitution in 0.1% acetic acid to a concentration of 0.1-1.0 mg/ml. The solution should be stored at -70°C.

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<b>Purity</b>	>90% by SDS-PAGE analyses.
<b>Storage</b>	The lyophilized VEGFC is best-stored at -20°C. Reconstituted VEGFC should be stored in working aliquots at -70°C.
<b>Pathways</b>	Bladder cancer; Cytokine-cytokine receptor interaction; Focal Adhesion; Focal adhesion; Formation of Platelet plug; Heart Development; Hemostasis; Pancreatic cancer; Pathways in cancer; Renal cell carcinoma; Response to elevated platelet cytosolic Ca <sup>2+</sup> ; Signaling by VEGF; Signaling events mediated by VEGFR1 and VEGFR2; VEGF ligand-receptor interactions; VEGFR3 signaling in lymphatic endothelium; mTOR signaling pathway

## GENE INFORMATION

<b>Gene Name</b>	VEGFC vascular endothelial growth factor C [ Homo sapiens ]
<b>Official Symbol</b>	VEGFC
<b>Synonyms</b>	VEGFC; vascular endothelial growth factor C; RP; Flt4-L; VEGF-C; FLT4 ligand DHM; OTTHUMP00000218843; vascular endothelial growth factor-related protein; VRP; Flt4 ligand
<b>Gene ID</b>	7424
<b>mRNA Refseq</b>	NM_005429
<b>Protein Refseq</b>	NP_005420
<b>MIM</b>	601528
<b>UniProt ID</b>	P4976

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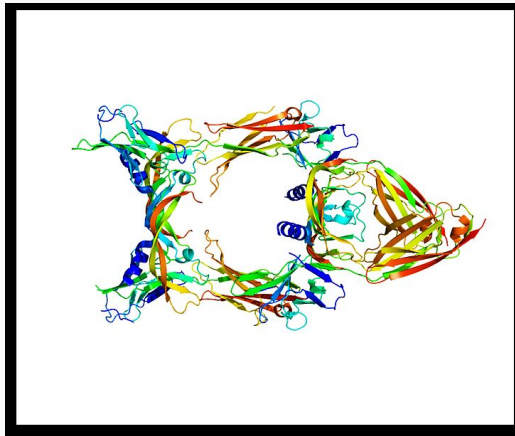
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**Chromosome**

4q34.3

**Location****Function**

chemoattractant activity; growth factor activity; protein binding; vascular endothelial growth factor receptor 3 binding

**Rendering based on  
PDB 2X1W.** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA