

Recombinant Human Vascular Endothelial Growth Factor C, His-tagged

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

SPECIFICATION

Product Overview	The recombinant human protein contains N-terminal and C-terminal His-tags (167 aa, MW 18.772 kDa).
Species	Human
Source	E.coli
Description	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.
Biological Activity	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.
Molecular Weight	18.772 kDa
Form	Lyophilized without additives.
Appearance	Lyophilized protein
Endotoxin Level	<0.1 ng/μg
Reconstitution	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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Purity	>90% by SDS-PAGE analyses.
Storage	The lyophilized VEGFC is best-stored at -20°C. Reconstituted VEGFC should be stored in working aliquots at -70°C.
Pathways	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 Ca2+; Signaling by VEGF; Signaling events mediated by VEGFR1 and VEGFR2; VEGF ligand-receptor interactions; VEGFR3 signaling in lymphatic endothelium; mTOR signaling pathway

GENE INFORMATION

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

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Chromosome

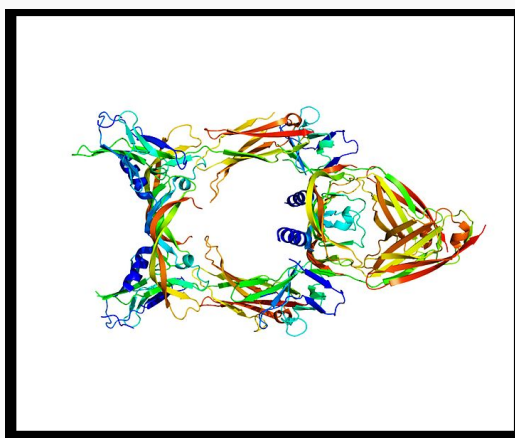
Location

4q34.3

Function

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

**Rendering based on
PDB 2X1W.**



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