

Recombinant Human VEGFC protein, His-tagged

Cat. No. VEGFC-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VEGFC, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	112-227 a.a.
Description	VEGFC, also known as vascular endothelial growth factor C, is a member of the VEGF family. This growth factors play key roles in the physiology and pathology of many aspects of the cardiovascular system including hematopoiesis, angiogenesis and vascular permeability. Traces of VEGFC are also detected in brain, liver, thymus, skeletal muscles, spleen, prostate, testis and colon. Unlike other VEGF family members, VEGFC expression is not regulated by hypoxia.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol.
Molecular Mass	14.2kDa (125aa)18-28KDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPAHYNTEI LKSIDNEWRK TQCMPREVCI DVGKEFGVAT NTFFKPPCVS VYRCGGCCNS EGLQCMNTST SYLSKTLFEI TVPLSQGPKP VTISFANHTS CRCMSKLDVY RQVHSIIRRH HHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	VEGFC vascular endothelial growth factor C [Homo sapiens]
Official Symbol	VEGFC
Synonyms	VEGFC; VRP; VEGF-C; FLT4 ligand DHM; Flt4-L
Gene ID	7424
mRNA Refseq	NM_005429
Protein Refseq	NP_005420
MIM	601528
UniProt ID	P49767
Chromosome Location	4q34.3
Pathway	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal Adhesion, organism-

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specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;

Function

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

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