

## Active Recombinant Human VEGFC Protein

**Cat. No.** VEGFC-108H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The mature recombinant human VEGF-B protein (103-227aa) without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors.
<b>Bio-activity</b>	Measured in a cell proliferation assay using HMVEC human microvascular endothelial cells. The ED50 for this effect is 1-5 µg/mL. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGF R3/Flt-4 Fc Chimera at 5 µg/mL (100 µL/well) can bind Recombinant Human VEGF-C with an apparent Kd <40 nM.
<b>Molecular Mass</b>	15.4 kDa
<b>Product-Related Proteins</b>	103-227
<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.

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Storage Buffer      PBS

## GENE INFORMATION

Gene Name      VEGFC vascular endothelial growth factor C [ Homo sapiens (human) ]

Official Symbol      VEGFC

Synonyms      VEGFC; vascular endothelial growth factor C; VRP; Flt4-L; LMPH1D; LMPHM4; vascular endothelial growth factor C; Names; FLT4 ligand DHM; vascular endothelial growth factor-related protein

Gene ID      7424

mRNA Refseq      NM\_005429

Protein Refseq      NP\_005420

MIM      601528

UniProt ID      Q6FH59

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