

Active Recombinant Human VEGFC Protein

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

SPECIFICATION

Product Overview	The mature recombinant human VEGF-B protein (103-227aa) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Bio-activity	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.
Molecular Mass	15.4 kDa
Product-Related Proteins	103-227
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.

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Storage Buffer	PBS
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GENE INFORMATION

Gene Name	VEGFC vascular endothelial growth factor C [Homo sapiens (human)]
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Official Symbol	VEGFC
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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
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Gene ID	7424
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mRNA Refseq	NM_005429
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Protein Refseq	NP_005420
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MIM	601528
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UniProt ID	Q6FH59
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