

Active Recombinant Human VEGFD Protein

Cat. No. VEGFD-109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human VEGF-B protein (93-201aa) 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 and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus.
Bio-activity	Measured in a cell proliferation assay using HMVEC human microvascular endothelial cells. The ED50 for this effect is 0.1-0.3 µg/mL. Measured by its binding ability in a functional ELISA. Immobilized recombinant human Flt-4 Fc Chimera at 5 µg/mL (100 µL/well) binds Recombinant Human VEGF-D with an apparent KD <15 nM.
Molecular Mass	13 kDa
Product-Related Proteins	93-201

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Storage At -80 centigrade. Avoid repeated freeze-thaw cycles.

Storage Buffer PBS

GENE INFORMATION

Gene Name VEGFD vascular endothelial growth factor D [Homo sapiens (human)]

Official Symbol VEGFD

Synonyms VEGFD; vascular endothelial growth factor D; FIGF; VEGF-D; vascular endothelial growth factor D; Names; c-fos induced growth factor (vascular endothelial growth factor D)

Gene ID 2277

mRNA Refseq NM_004469

Protein Refseq NP_004460

MIM 300091

UniProt ID O43915

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