

Recombinant Human VEGFD protein, His-tagged

Cat. No. VEGFD-608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFD aa. (Phe93~Ser201 (Accession # O43915)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe93~Ser201
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

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; c-fos induced growth factor (vascular endothelial growth factor D)
Gene ID	2277
mRNA Refseq	NM_004469.4
Protein Refseq	NP_004460.1

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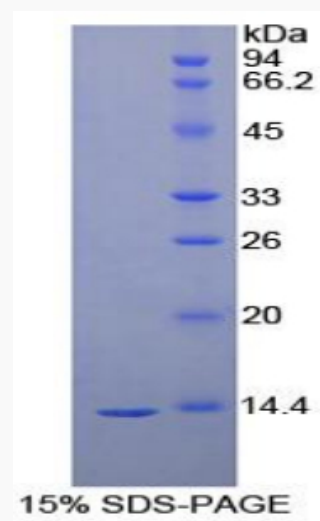
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UniProt ID

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SDS-PAGE

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