

Recombinant Human VEGFD Protein

Cat. No. VEGFD-566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VEGFD protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	354
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	Lyophilized
Molecular Mass	13 kDa
AA Sequence	MYREWVVNVFMMLYVQLVQGSSNEHGPVKRSSQSTLERSEQQIRAASSLEELLRI THSEDWKLWRCRLRLKSFTSMDSRASHRSTRFAATFYDIETLKVIDEEWQRTQCS PRETCVEVASELGKSTNTFFKPPCVNVFRCGGCCNEESLICMNTSTSYISKQLFEISV PLTSVPELVVPKVANHTGCKCLPTAPRHPYSIIRRSIQIPEEDRCSHKKLCPIDMLW

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	DSNKCKCVLQEENPLAGTEDHSHLQEPALCGPHMMFDEDRCECVCKTPCPKDLIQ HPKNCSCFECKESLETCCQKHKLFPDTCSCEDRCPFHTRPCASGKTACAKHCRF PKEKRAAQGPHSRKNP
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution (reconst).
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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; c-fos induced growth factor (vascular endothelial growth factor D)

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Gene ID	2277
mRNA Refseq	NM_004469
Protein Refseq	NP_004460
MIM	300091
UniProt ID	O43915

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