Recombinant Human VEGFD

Cat. No. VEGFD-353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Sf21 Cells
Description	Vascular endothelial growth factor D (VEGF-D) is a potent angiogenic factor that is a member of the VEGF family that activates VEGF receptor-2. VEGF-D is also lymphangiogenic, and promotes metastatic spread of tumor cells via lymphatic vessels. It may be useful in the treatment of breast cancer as a decision-making biomarker for aggressive treatment after operation.
Molecular Weight	The predicted molecular weight of Recombinant Human VEGF-D is Mr 13 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 20-22 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated

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	Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	FIGF c-fos induced growth factor (vascular endothelial growth factor D) [Homo sapiens]
Synonyms	FIGF; c-fos induced growth factor (vascular endothelial growth factor D); VEGFD; VEGF-D; vascular endothelial growth factor D; c-fos-induced growth factor; OTTHUMP00000022960
Gene ID	2277
mRNA Refseq	NM_004469
Protein Refseq	NP_004460
MIM	300091
UniProt ID	O43915
Chromosome Location	Xp22.31
Pathway	adder cancer; Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Pathways in cancer; Renal cell carcinoma; mTOR signaling pathway; Hemostasis; Signaling byVEGF
Function	growth factor activity; platelet-derived growth factor receptor binding; protein homodimerization activity; vascular endothelial growth factor receptor 3 binding

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