

Recombinant Human C-Fos Induced Growth Factor (Vascular Endothelial Growth Factor D)

Cat. No. FIGF-625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FIGF protein was expressed in 293 cells.
Species	Human
Source	Human
Description	FIGF, a member of the VEGF/PDGF family of structurally related proteins, is a potent antigenic cytokine. It promotes endothelial cell growth, promotes lymphangiogenesis, and can also affect vascular permeability. FIGF is highly expressed in the lung, heart, small intestine and fetal lung, and at lower levels in the skeletal muscle, colon, and pancreas. During embryogenesis, FIGF may play a role in the formation of the venous and lymphatic vascular systems. It also participates in the growth and maintenance of differentiated lymphatic endothelium in adults. Both VEGFC and FIGF are over-expressed in certain cancers, and the resulting elevated levels of VEGFC or FIGF tend to correlate with increased lymphatic metastasis.
Form	Supplied as a lyophilized powder.
Purity	> 95% pure by SDS PAGE and HPLC
Sequence	Region of FIGF protein corresponding to amino acids: FAATFYDIET LKVIDEEWQR TQCSPRETCVEVASELGKST NTFFKPPCVN VFRCGGCCNE ESLICMNTST SYISKQLFEI SVPLTSVPEL VPKVANHTGCKCLPTAPRH PYSIIRR

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Applications	Numerous applications are possible with this product and should be tested by the enduser under their own laboratory conditions.
Storage	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.
Official Symbol	FIGF
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; vascular endothelial growth factor D; OTTHUMP00000022960
Gene ID	2277
mRNA Refseq	NM_004469
Protein Refseq	NP_004460
MIM	300091
UniProt ID	O43915
Chromosome Location	Xp22.31
Pathway	Bladder cancer; Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic

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cancer; Pathways in cancer; Renal cell carcinoma; mTOR signaling pathway;
Hemostasis; Signaling by VEGF

Function

growth factor activity; platelet-derived growth factor receptor binding; protein
homodimerization activity; vascular endothelial growth factor receptor 3 binding

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