

## Product datasheet for **TP723476**

### VEGFD (NM\_004469) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human c-fos induced growth factor (vascular endothelial growth factor D) (FIGF).
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	FAATFYDIET LKVIDEEWQR TQCSPRETCV EVASELGKST NTFKPPCVN VFRCGGCCNE ESLICMNTST SYISKQLFEI SVPLTSVPEL VPVKVANHTG CKCLPTAPRH PYSIIRR
Tag:	Tag Free
Predicted MW:	26.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Measured by its ability to bind recombinant human VEGFR3/Flt-4 Fc in a functional ELISA.
Endotoxin:	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004460</a>
Locus ID:	2277
UniProt ID:	<a href="#">O43915</a>
RefSeq Size:	2084
Cytogenetics:	Xp22.2
RefSeq ORF:	1062
Synonyms:	FIGF; VEGF-D



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**Summary:**

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 (GenelD 8544) locus. [provided by RefSeq, Feb 2011]

**Protein Families:**

Druggable Genome, Secreted Protein

**Protein Pathways:**

Bladder cancer, Cytokine-cytokine receptor interaction, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma