

Product datasheet for **SC122680**

VEGFD (NM_004469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VEGFD (NM_004469) Human Untagged Clone
Tag:	Tag Free
Symbol:	VEGFD
Synonyms:	FIGF; VEGF-D
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_004469 edited
CAAAAAAGTTTCAATCCAGAGTTGGGTTCCAGCTTCTGTAGCTGTAAGCATTGGTGGCC
ACACCACCTCCTTACAAAAGCAACTAGAACCTGCGGCATACGTTGGAGAGATTTTTTTAAT
TTTCTGGACATGAAGTAAATTTAGAGTGCTTTCTAATTTTCAGGTAGAAGACATGTCCACC
TTCTGATTATTTTTGGAGCATGAGAACATTTTGATTTTTTTCATCTCTCTCCCCACCC
CTAAGATTGTGCAAAAAAAGCGTACCTTGCCTAATTGAAATAATTTTCATTGGATTTTGAT
CAGAAGTGATTATTTGGTTTTCTGTGTGAAGTTTTGAGGTTTCAAACCTTCCCTTCTGGAG
AATGCCTTTTTGAAACAATTTTTCTAGCTGCCTGATGTCAACTGCTTAGTAATCAGTGGA
TATTGAAATATTTCAAATGTACAGAGAGTGGTGTGGAATGTTTTTCATGATGTTGTA
CGTCCAGCTGGTGCAGGGCTCCAGTAATGAACATGGACCAGTGAAGCGATCATCTCAGTC
CACATTGGAACGATCTGAACAGCAGATCAGGGCTGCTTCTAGTTTGGAGGAACTACTTCG
AATTACTIONACTCTGAGGACTGGAAGCTGTGGAGATGCAGGCTGAGGCTCAAAAGTTTTAC
CAGTATGGACTCTCGCTCAGCATCCCATCGGTCCACTAGGTTTGGCGCACTTTCTATGA
CATTGAAACACTAAAAGTTATAGATGAAGAATGGCAAAGAAGTCAAGTGCAGCCCTAGAGA
AACGTGCGTGGAGGTGGCCAGTGAGCTGGGGAAGAGTACCAACACATTCTCAAGCCCC
TTGTGTGAACGTGTTCCGATGTGGTGGCTGTGCAATGAAGAGAGCCTTATCTGTATGAA
CACCAGCACCTCGTACATTTCCAAACAGCTCTTTGAGATATCAGTGCCTTTGACATCAGT
ACCTGAATTAGTGCTGTAAAGTTGCCAATCATACAGGTTGTAAGTGCTTGCCAACAGC
CCCCCGCCATCCATACTCAATTATCAGAAGATCCATCCAGATCCCTGAAGAAGATCGCTG
TTCCCATTTCCAAGAACTCTGCTCTATTGACATGCTATGGGATAGCAACAAATGTAATG
TGTTTTGCAGGAGGAAAATCCACTTGTGGAACAGAAGACCCTCTCATCTCCAGGAACC
AGCTCTCTGTGGCCACACATGATGTTTGACGAAGATCGTTGCGAGTGTGTCTGTAAAAC
ACCATGTCCCAAAGATCTAATCCAGCACCCCAAAAAGTGCAGTTGCTTTGAGTGCAAAGA
AAGTCTGGAGACCTGCTGCCAGAAGCACAAAGCTATTTCAACCAGACACCTGCAGCTGTGA
GGACAGATGCCCTTTTCATACCAGACCATGTGCAAGTGGCAAAACAGCATGTGCAAAGCA
TTGCCGCTTTCCAAGGAGAAAAGGGCTGCCAGGGGCCCCACAGCCGAAAGAATCCTTG
ATTCAGCGTTCCAAGTTCCCATCCCTGTCAATTTTAAACAGCATGCTGCTTTGCCAAGTT
GCTGTCACTGTTTTTTCCAGGTGTTAAAAAAAATCCATTTTACACAGCACCACAG
TGAATCCAGACCAACCTCCATTACACCAGCTAAGGAGTCCCTGGTTTCATTGATGGATG
TCTTCTAGCTGCAGATGCCTCTGCGCACCAAGGAATGGAGAGGAGGGACCCATGTAATC
CTTTTGTAGTTTTGTTTTGTTTTTGGTGAATGAGAAAGGTGTGCTGGTCATGGAAT
GGCAGGTGCATATGACTGATTACTCAGAGCAGATGAGGAAAAGTGTAGTCTCTGAGTCC
TTTGCTAATCGCAACTCTGTGAATTATTCTGATTCTTTTTTATGCAGAAATTTGATTTCGT
ATGATCAGTACTGACTTTCTGATTACTGTCCAGCTTATAGTCTTCCAGTTTAAATGAACTA
CCATCTGATGTTTCATATTTAAGTGTATTTAAAGAAAATAAACACCATTATTCAGCCAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004469 unedited GCTCTTGT TTTGTAATACGACTTACTATTAGTGGCGGCCGCGATTCCC GGGATCAAAAA TTTCAATCCAGAGTTGGGTTCCAGCTTTCTGTAGCTGTAAGCATTGGTGGCCACACCACC TCCTTACAAAGCAACTAGAACCTGCGGCATACGTTGGAGAGATTTTTTAAATTTTCTGGA CATGAAGTAAATTTAGAGTGCTTCTAATTTT CAGGTAGAAGACATGTCCACCTTCTGATT ATTTTTGGAGCATGAGAACATTTTGATTTTTTTCATCTCTCTCCCCACCCCTAAGATT GTGCAAAAAAAGCGTACCTTGCCTAATTGAAATAATTTT CATTGGATTTTGATCAGAAGT ATTATTTGGTTTTCTGTGTGAAGTTTTGAGGTTTCAAAC TTTCTTCTGGAGAATGCCTT TTGAAACAATTTTCTCTAGCTGCCTGATGTCAACTGCTTAGTAATCAGTGGATATTGAAA TATTCAAATGTACAGAGAGTGGGTAGTGGTGAATGTTTT CATGATGTTGTACGTCCAGC TGGTGCAGGGCTCCAGTAATGAACATGGACCAGTGAAGCGATCATCTCAGTCCACATTGG AACGATCTGAACAGCAGATCATGGCTGCTTCTAGTTTGGAGGAACTACTCGAATTACTC ACTCTGAGGACTGGAAGCTGTGGAGATGCAGGCTGAGGCTCAAAGTTTTACCAGTATGG ACTCTCGCTCATATCCATCGGTCCACTAGGTTTGGCGCAACTTCTATGACATTGAAA CACTAAAAGTTATAGATGAAGAATGGCAAAGA ACTCAGTGCAGCCCTAGAGAAACGTGCG TGGNAGTGGCCAGTGAGCTGGGGAAGAGTACCACACATTTTCAGCCCCCTGTGTNGACG TGTTTTCGATGTGGTGGCTGGTGAATGAAAGAGCCTTATCTGGATGAACACCG
Restriction Sites:	Please inquire
ACCN:	NM_004469
Insert Size:	2106 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004469.2 , NP_004460.1
RefSeq Size:	2128 bp
RefSeq ORF:	1065 bp
Locus ID:	2277
UniProt ID:	O43915
Cytogenetics:	Xp22.2
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
Gene 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 (GeneID 8544) locus. [provided by RefSeq, Feb 2011]