

Product datasheet for **SC116730**

VEGFC (NM_005429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VEGFC (NM_005429) Human Untagged Clone
Tag:	Tag Free
Symbol:	VEGFC
Synonyms:	Flt4-L; LMPH1D; LMPHM4; VRP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005429 edited
 GGCACCAGGGGAGAGGGACCAGGAGGGGCCCGCGGCTCGCAGGGGCGCCCGCGCCCCCA
 CCCCTGCCCCCGCAGCGGACCGGTCCCCACCCCGGTCTTCCACCATGCACTTGCTG
 GGCTTCTTCTCTGTGGCGTGTCTCTGCTCGCCGCTGCGCTGCTCCCGGGTCTCGCGAG
 GCGCCCGCCGCCCGCCGCTTCGAGTCCGACTCGACTCTCGGACGCGGAGCCCGAC
 GCGGGCGAGGCCACGGCTTATGCAAGCAAAGATCTGGAGGAGCAGTTACGGTCTGTGTCC
 AGTGTAGATGAACTCATGACTGTACTCTACCCAGAATATTGAAAAATGTACAAGTGTGAG
 CTAAGGAAAGGAGGCTGGCAACATAACAGAGAACAGGCCAACCTCAACTCAAGGACAGAA
 GAGACTATAAAATTTGCTGCAGCACATTATAATACAGAGATCTTAAAAAGTATTGATAAT
 GAGTGGAGAAAGACTCAATGCATGCCACGGGAGGTGTGTATAGATGTGGGGAAGGAGTTT
 GGAGTCGCGACAAACACCTTCTTTAAACCTCCATGTGTGTCCGTCTACAGATGTGGGGGT
 TGCTGCAATAGTGGGGCTGCAGTGCATGAACACCAGCAGGACTACCTCAGCAAGACG
 TTTATTGAAATTACAGTGCCTCTCTCAAGGCCCAAACAGTAACAATCAGTTTTGCC
 AATCACACTTCTGCCGATGCATGTCTAACTGGATGTTTACAGACAAGTTCATTCCATT
 ATTAGACGTTCCCTGCCAGCAACTACCACAGTGTGAGGACGCAACAAGACCTGCCCC
 ACCAATTACATGTGGAATAATCACATCTGCAGATGCCTGGCTCAGGAAGATTTTATGTTT
 TCCTCGGATGCTGGAGATGACTCAACAGATGGATTCCATGACATCTGTGGACAAACAAG
 GAGCTGGATGAAGAGACCTGTCAGTGTGTCTGCAGAGCGGGGCTTCGGCCTGCCAGCTGT
 GGACCCCAAAAGAACTAGACAGAACTCATGCCAGTGTGTCTGTAAAAACAACCTTTC
 CCCAGCCAATGTGGGGCAACCGAGAATTTGATGAAAACACATGCCAGTGTGTATGTA
 AGAACCTGCCCGAGAAATCAACCCCTAAATCCTGGAAAATGTGCCTGTGAATGTACAGAA
 AGTCCACAGAAATGCTTGTAAAAAGGAAAGAAGTCCACCACCAACATGCAGCTGTTAC
 AGACGGCCATGTACGAACCGCAGAGGCTTGTGAGCCAGGATTTTCATATAGTGAAGAA
 GTGTGTCGTTGTCCCTTCATATTGAAAAGACCACAAATGAGCTAAGATTGTACTGTT
 TTCAGTTTCATCGATTTTCTATTATGAAAACCTGTGTTGCCACAGTAGAACTGTCTGTGA
 ACAGAGAGACCCTTGTGGGTCCATGCTAACAAAGACAAAAGTCTGTCTTTCCTGAACCAT
 GTGGATAACTTTACAGAAATGGACTGGAGCTCATCTGCAAAAGGCCTCTTGTAAGACTG
 GTTTTCTGCCAATGACCAAAACAGCAAGATTTTCTCTTGTGATTTCTTTAAAAGAAATGA
 CTATATAATTTATTTCCACTAAAAATATTGTTTCTGCATTCAATTTTATAGCAACAACAA
 TTGGTAAAACCTACTGTGATCAATATTTTATATCATGCAAAATATGTTTAAAATAAAAT
 GAAAATTGTATTAT

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005429 unedited
 GATTTTGGTATACGACTCACTATAGGGCGGCGCGAATTCGGCACCAGGGGNAAGGGAC
 CAGGAGGGGCCCCGCGCCTCGCAGGGGCGCCCGCCCCACCCCTGCCCCCGCCAGCGG
 ACCGGTCCCCACCCCGGTCTTCCACCATGCACTTGTGGGCTTCTTCTGTGGCGT
 GTTCTGTCTCGCCGCTGCGCTGCTCCCGGTCCTCGGAGGCGCCCGCCCGCCCGCGG
 CCTTCGAGTCCGGACTCGACCTCTCGGACGCGGAGCCCGACGCGGGCGAGGCCACGGCTT
 ATGCAAGCAAAGATCTGGAGGAGCAGTTACGGTCTGTGTCCAGTGTAGATGAACTCATGA
 CTGTACTCTACCCAGAATATTGAAAAATGTACAAGTGTGAGTAAAGGAAAGGAGGCTGGC
 AACATAACAGAGAACAGGCCAACCTCAACTCAAGGACAGAAGAGACTATAAAATTTGCTG
 CAGCACATTATAATACAGAGATCTTAAAAAGTATTGATAATGAGTGGAGAAAGACTCAAT
 GCATGCCACGGGAGGTGTGTATAGATGTGGGGAAGGAGTTGGAGTCGCGACAAACCTT
 TCTTTAAACCTCCATGTGTGTCCTACAGATGTGGNGTTGCTGCAATAGTGAGGGGC
 TGCAGTGCATGAACACCAGCAGGACTACCTCAGNCAGACGTTATTTGAAATTACAGTGC
 CTCTCTCAGGGCCANACCAGTANNNCATCAGTTTGCCAATCACACTTCTGCCGATG
 CATGTCTAACTGGATGNTACAGACAGNTCATTNCATATTAGACCGTCTGNCAGCAGACT
 ACCCAGTGTGAGGACGACAAGACTGCCCCACATTACATGGGATAATACTCTGCCGAGC
 CTGCTCAGAGAATATTTTCTCGAGCTGAGAGACCACAGAGGATCCTGACTCGTGACA

Restriction Sites: NotI-NotI
ACCN: NM_005429

Insert Size:	1900 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_005429.2 , NP_005420.1
RefSeq Size:	2076 bp
RefSeq ORF:	1260 bp
Locus ID:	7424
UniProt ID:	P49767
Cytogenetics:	4q34.3
Domains:	PDGF, CXCXC
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:	<p>The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors. [provided by RefSeq, Apr 2014]</p>