

Product datasheet for MR206551

Vegfc (NM_009506) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vegfc (NM_009506) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vegfc
Synonyms:	AW228853; VEGF-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206551 representing NM_009506 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACTTGCTGTGCTTCTTGCTCTGGCGTGTTCCCTGCTCGCCGCTGCGCTGATCCCCAGTCCGCGG
AGGCGCCCGCCACCGTCGCCCTTCGAGTCGGGACTGGGCTTCTCGGAAGCGGAGCCCGACGGGGCGA
GGTCAAGGCTTTGAAGGCAAAGACCTGGAGGAGCAGTTGCGGTCTGTGCCAGCGTAGATGAGCTGATG
TCTGTCTGTACCCAGACTACTGAAAAATGTACAAGTCCAGCTCGGAAAGCGGCTGGCAGCAGCCCA
CCCTCAATACCAGGACAGGGACAGTGTAAAATTTGCTGTGCACATTATAACACAGAGATCCTGAAAAG
TATTGATAATGAGTGGAGAAAGACTCAATGCATGCCACGTGAGGTGTGTATAGATGTGGGAAGGAGTTT
GGAGCAGCCACAAACACCTTCTTTAAACCTCCATGTGTGTCCGTCTACAGATGTGGGGTTGCTGCAACA
GCGAGGGGCTGCAGTGCATGAACACCAGCACAGGTTACCTCAGCAAGACGTTGTTTAAAATTACAGTGCC
TCTCTACAAGGCCCAAACAGTCACAATCAGTTTTGCCAATCACACTTCTGCCGGTGCATGTCTAAA
CTGGATGTTTACAGACAAGTTCATTCAATTATTAGACGTTCTCTGCCAGCAACATTACCACAGTGCAGG
CAGCTAACAGACATGTCCAACAACTATGTGTGGAATAACTACATGTGCCGATGCCTGGCTCAGCAGGA
TTTTATCTTTTATTCAAATGTTGAAGATGACTCAACCAATGGATTCCATGATGTCTGTGGACCAACAAG
GAGCTGGATGAAGACACCTGTCAGTGTGTCTGCAAGGGGGGCTTCGGCCATCTAGTTGTGGACCCACA
AAGAAGTAGATAGAGACTCATGTCAAGTGTCTGTAAAAACAACTTTTCCCTAATTCATGTGGAGCCAA
CAGGGAATTTGATGAGAATACATGTCAAGTGTGTATGTAAGAAGCGTGTCCAAGAATCAGCCCCGAAT
CCTGGGAATGTGCCTGTGAATGTACAGAAAACACAGAAAGTGTCTTAAAGGGAAGAAGTTCCACC
ATCAAACATGCAGTTGTTACAGAAGACCGTGTGCGAATCGACTGAAGCATTGTGATCCAGGACTGTCCTT
TAGTGAAGAAGTATGCCGCTGTGCCATCGTATTGAAAAGGCCACATCTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206551 representing NM_009506
 Red=Cloning site Green=Tags(s)

MHLLCFLSLACSLAAALIPSPREAPATVAAFESGLGFSEAEPDGGGEVKAFEGKDLEEQLRVSSVDELM
 SVLYPDYWKMYKCQLRKGGWQQPTLNTRTGDSVKFAAAHYNTEILKSIDNEWKRTQCMPREVCIDVGKEF
 GAATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTGYLSKTLFEITVPLSQGPKPVTISFANHTSCRCMSK
 LDVYRQVHSIIRRSLPATLPQCQAANKTCPTNYVWNNYMCRCQAQDFIFYSNVEDDSTNGFHDVCGPNK
 ELDEDTQCQVCKGGLRPSSCGPHKELDRDSCQCCKNKLFPNSCGANREFDENTCQCQVCKRTCPRNQPLN
 PGKCAECTENTQKCFLLKGGKFHHQTCSCYRRPCANRLKHCDPGLSFSEEVCRCVPSYWKRPHLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009506

ORF Size: 1245 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_009506.2](#), [NP_033532.1](#)

RefSeq Size: 1881 bp

RefSeq ORF: 1248 bp

Locus ID: 22341

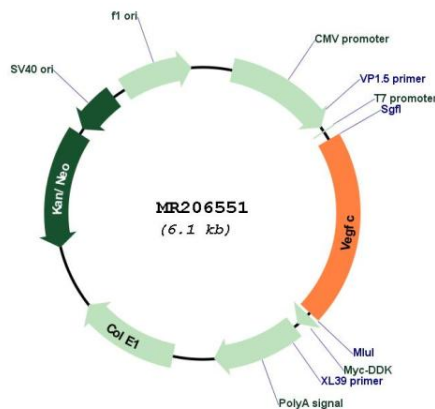
UniProt ID: [P97953](#)

Cytogenetics: 8 B1.3

MW: 46.9 kDa

Gene Summary: Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates KDR/VEGFR2 and FLT4/VEGFR3 receptors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206551