

## Product datasheet for **RR203681**

### Vegfc (NM\_053653) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Vegfc (NM\_053653) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Vegfc  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR203681 representing NM\_053653  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACTTGCTGTGCTTCTGTCTCTGGCGTGTTCTTGTCTCGCCGCTGCGCTGATCCCCGGTCCGCGCG  
AGGCGCCCGCCACCGTCGCCCTTCGAGTCGGACTGGGCTTCTCGGAAGCAGAGCCGGACGGGGCGA  
GGTCAAGGGTTTCGAAGGCAAAGACCTGGAGGAGCAGTTGCGGTCTGTGCCAGTGTAGATGAGCTCATG  
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CCCTCAACATGAGGACAGGGGACTGTAAAATTGCTGCTGCACATTACAACACTGAGATCCTGAAAAG  
TATTGATAATGAGTGGAGAAAGACTCAATGCATGCCACGTGAGGTGTGTATAGATGTGGGAAGGAGTTT  
GGAGCAGCCACAAACACCTTCTTTAAACCTCCATGTGTGTCCGTCTACAGATGTGGGGTTGCTGCAACA  
GTGAAGGGCTGCAATGCATGAACACCAGCACAGGTTACCTCAGCAAGACGTTGTTTGAATTACAGTGCC  
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CTGGATGTTTACAGACAAGTTCATTCAATTATTAGACGTTCTCTGCCAGCAACATTACCACAGTGCAGG  
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CAGGGAATTTGATGAGAACATGCCAGTGTGTCTGCAAGAGAACATGTCCAAGAAATCAACCCCTGAAT  
CCTGAAAAATGTGCTGTGAATGTACAGAAAACACACAGAAGTGCTTCTAAAAGGGAAGAAATTCACC  
ATCAAACATGCAGCTGTTACAGACGACCATGTACAAATCGACTGAAGCATTGTGATCCGGGACTGTCATT  
TAGTGAAGAGGTGTGCTGCTGTGCCATCATATTGAAAAAGACCACATCTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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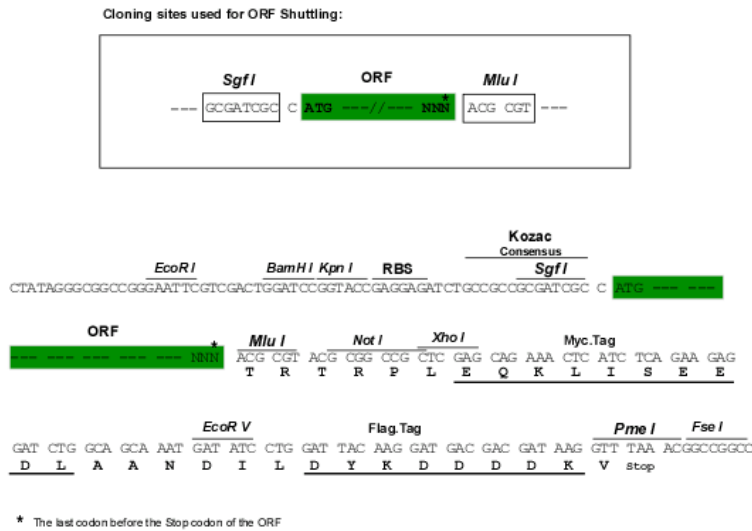
**Protein Sequence:** >RR203681 representing NM\_053653  
 Red=Cloning site Green=Tags(s)

MHLLCFLSLACSLLAALIPGPREAPATVAAFESGLGFSEAEPDGGGEVKGFEKDL EEQLRSVSSVDELM  
 SVLYPDYWKMYKCQLRKGGWQQPSLNMRTGDTVKLA AHYNT EILKSIDNEWRTQCM PREVCIDVGKEF  
 GAATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTGYLSKTLFEITVPLSQGPKPVTISFANHTSCRCMSK  
 LDVYRQVHSIIRRSLPATLPQCQAANKTCPANYVWNNYMCQCLAQQDFIFYSNVEDDSSNGFHDVCGPNK  
 ELDEDTQCQCVCKGGLRPSSCGPHKELDRDSCQVCCKNKLFLNSCGANREFDENTCQCVCVKRTCPRNQPLN  
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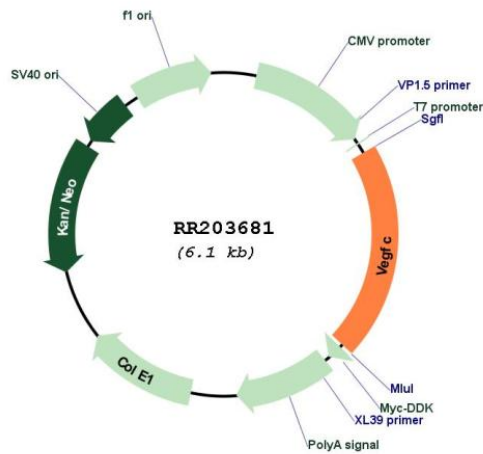
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_053653

<b>ORF Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053653.1</a> , <a href="#">NP_446105.1</a>
<b>RefSeq Size:</b>	1596 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	114111
<b>UniProt ID:</b>	<a href="#">O35757</a>
<b>Cytogenetics:</b>	16p11
<b>MW:</b>	46.4 kDa
<b>Gene Summary:</b>	platelet-derived growth factor/vascular derived growth factor (PDGF/VEGF); active in angiogenesis and endothelial cell growth [RGD, Feb 2006]