

Product datasheet for **RR215061**

Vegfb (NM_053549) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vegfb (NM_053549) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vegfb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215061 representing NM_053549
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCCCCCTGCTCCGTCGCTTGCTGCTTGTGCGCTGCTGCAGCTGGCCTGTACCCAGGCCCTGTGT
CCCAGTTTGTATGGCCCCAGCCACCAGAAGAAAGTGGTGTATGGATAGATGTTTATGCACGTGCCACATG
CCAGCCCAGGGAGGTGGTGGTACCTCTGAGCATGGAACATCATGGTAATGTGGTCAAACAACCTCGTGCC
AGCTGTGTGACTGTGCAGCGCTGTGGTGGCTGCTGTCTGACGATGGCCTGGAGTGTGTGCCATTGGGC
AACACCAAGTCCGAATGCAGATCCTCATGATCCAGTACCCGAGCAGTCACTGGGGGAGATGTCCCTGGA
AGAACACAGCCAATGTGAATGCAGACAAAAAGAAAGGAGAGTGTGTGAAGCCAGACAGCCCCAGGACC
CTCTGCCACGCTGCACCCAGCGCCGTGAGCGCCCTGATCCCCGGACCTGCCGTTGCCGCTGCAGACGCC
GCCGCTTCTCCATTGCCAAGGGCGGGCTTAGAGCTCAACCCAGATACCTGCAGATCATCAGAAACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215061 representing NM_053549
Red=Cloning site Green=Tags(s)

MSPLLRLLLLVALLQLACTQAPVSQFDGPSHQKKVVSVIDVYARATCQPREVVVPLSMELMGNVVKQLVP
SCVTVQRCGGCCPDDGLECVPIGQHVRMQLMIQYPSQLGEMSLEEHSQCECRPKRKESAVKPDSPRT
LCPRCTQRRQRPDPRTRCRCRRRRRFLHCQGRGLELNPDCRSSET

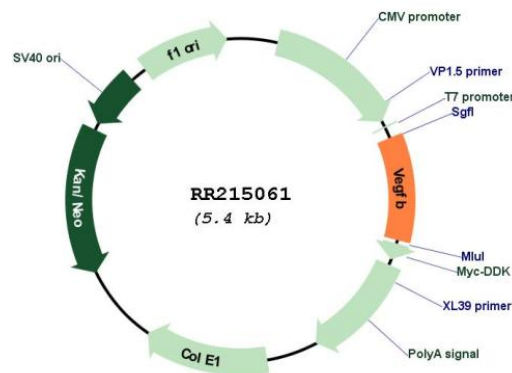
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_053549

ORF Size: 558 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:	<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:	<u>NM_053549.1</u> , <u>NP_446001.1</u>
RefSeq Size:	1812 bp
RefSeq ORF:	561 bp
Locus ID:	89811
UniProt ID:	<u>O35485</u>
Cytogenetics:	1q43
MW:	21.1 kDa
Gene Summary:	mouse homolog is a growth factor; involved in the promotion of angiogenesis [RGD, Feb 2006]