

Product datasheet for **RR207561**

Vegfd (NM_031761) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vegfd (NM_031761) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vegfd
Synonyms: Figf; Vegf-d
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207561 representing NM_031761
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTATGGAGAGTGGGCCGAGTGAATATTCTCATGATGTCTATGTGTACCTGGTGCAGGGCTTCAGTA
TTGAACACCGAGCAGTGAAGGATGTTTCTTTGAGCGATCATCCCGGTCTGTGTTGGAACGTTCTGAACA
ACAGATCCGCGCGCTTCTACTTTGGAAGAGTTGCTGCAAGTCGCACACTCTGAGGACTGGAAGCTGTGG
CGGTGCCGGTTGAAGCTTAAAAGTCTTGCCAATGTGGACTCGCGCTCAACATCCCATCGCTCCACCAGAT
TTGCGGCAACTTTCTATGATACTGAAACTAAAAGTTATAGATGAAGAATGGCAGAGGACCCAATGCAG
CCCTAGAGAGACATGCGTAGAAGTCGCCAGTGAGCTGGGGAAGACAACCAACACATTTTTCAAGCCCCCT
TGTGTAATGTCTTCCGGTGTGGAGGATGCTGCAATGAAGAGAGCGTGATGTGTATGAACACAAGCACCT
CCTACATCTCCAAACAGCTCTTTGAGATATCAGTGCCCTGACATCAGTGCCCGAGTTAGTGCCCTGTTAA
AATTGCCAACCATACGGGTTGTAAGTGTGGTGGCCACGGGCCCCGGCATCCTTATTCAATTATCAGAAGA
TCCATTGAGATCCAGAAGAAGATCAATGTCTCATTCCAAGAACTCTGTCTGTTGACATGCTGTGGG
ATAACACCAAAATGTAATGTGTTTTACAAGATGAGAATCCACTGCCTGGGACAGAAGCACTCTTACCT
CCAGGAACCCGCTCTGTGGACCACACATGATGTTGATGAAGATCGCTGCGAGTGTGTCTGTAAGCA
CCATGTCTGGAGATCTCATTGACACCCGAAAAGTGCAGTTGCTTTGAATGCAAGAAAGTCTGGAAA
GCTGTTGCCAAAAGCACAAAGATGTTTACCCTGACACCTGCAGATCAATGGTCTTTTCACTGTCCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR207561 representing NM_031761
Red=Cloning site Green=Tags(s)

MYGEWAAVNILMMSYVYLVOGFSIEHRAVKDVSLSRSSRSLERSEQQIRAASLEELLQVAHSEDWKLW
 RCRLKCLKSLANVDSRSTSHRSTRFAATFYDTETLKVIDEEWQRTQCSPRETCVEVASELGKTTNTFFKPP
 CVNVFRCGGCCNEESVMCMNTSTSYISKQLFEISVPLTSVPELVPVKIANHTGCKCLPTGPRHPYSIIRR
 SIQIPEEDQCPHKKLCPVDMLWDNTKCKCVLQDENPLPGTEDHSYLQEPALCGPHMMFDEDRCECVCKA
 PCPGDLIQHPENCSCFECKESLESCCQKHKMFHPDTCRSMVFLSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

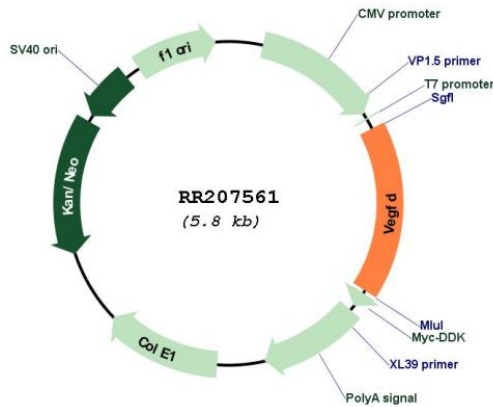
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031761

ORF Size: 978 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:	NM_031761.1 , NP_113949.1
RefSeq Size:	1491 bp
RefSeq ORF:	981 bp
Locus ID:	360457
UniProt ID:	O35251
Cytogenetics:	Xq14
MW:	37.1 kDa
Gene Summary:	binds to and activates the tyrosine kinase receptor VEGFR-3 and VEGFR-2; involved in positive regulation of lymphatic blood vessel growth [RGD, Feb 2006]