

## Product datasheet for RN205561

### Flt4 (NM\_053652) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Flt4 (NM_053652) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Flt4
Synonyms:	Vegfr3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205561 representing NM_053652 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCCGGGCGCTGCGCTGAACCGCGCCTGTGGCTCTGCCTCGGACTCCTCAAGGCCTGGCAAATG  
GCTACTCCATGACCCCTCAACTCTGAACATCACAGAGGATTCATATGTCATTGACACCGGGGACAGCCT  
ATCCATATCCTGCAGGGGCGAGCACCCTCGAGTGGACCTGGCGAGGGGCCAAGAGGTAAGTACTGACCACA  
GGTGGGAAGGACAGCGAGGACACGCAGGTTGTGCAAGACTGTGAAGGCACAGAAGCTAGGCCCTACTGCA  
AGGTGCTGTCGCTGGCCAGACTCACGCCAACACCGGCAGCTATTACTGCTACTACAAGTATATCAA  
GGCCCGGATTGAGGGCACCACAGCTGCCAGCACCTATGTGTTTGAAGAGACTTTGAACAGCCTTTCATC  
AACAAACCTGACACGCTCCTGGTCAACAGGAAGGACTCGATGTGGGTGCCCTGCTTGGTGTCCATTTCCC  
GCCTCAACATCACACTGCGCTCGCAAAGTTCGGTGTGCACCCCTGATGGGAGGAGGTGTGTGGGACGA  
CCGCCGGGCGATGCGGGTGCCCACTCTACTGTTGCGTGACGCCCTGTACTGCAGTGCAGAGACCCTGG  
GGAGACCAGGACTTCCCTTCCAATCCCTTCTCGTGCACATCACAGGCAATGAGCTCTATGACATCCAGC  
TGTACCCCAAGAAGTCACTGGAGCTGTTGGTTGGAGAGAAGCTGGTTTTGAACTGTACAGTATGGGCTGA  
GTTGACTCTGGTGTACCTTCGACTGGGATTACCCAGGAAAGCAGGCAGAGCGTGCTAAGTGGGTACCT  
GAGCGGGTTCCAGCAGACCCACACGGAACCTCCAGCATCCTGACCATCCACAATGTCAGCCAGCAGC  
ACCTGGGCCCTATGTGTGTGAGGCCAACCAATGGGATTACAGAGTTCGGGAAAGCAGCGAGGTCAATTGT  
GCACGAAAAGCCCTTCATCAGTGTGAGTGGCTCAAAGGACCTGTCTGGAGGCCACAGCCGGTACGAG  
ATGGTGAAGCTACCCGTGAAGCTTGAGCTTATCCCCACCGAGTTCGAATGGTACAAGGACAGAAAGG  
CAGTACTGGGCGCCACAATCCACATGCTCTGGTGTCAAAGAGGTGACCGAGGCCAGTGCAGGCGTCTA  
CACCCTCGCCCTGTGAACTCTGCAGCCGGTCTGAGGCAGAATATCAGTCTGGAGCTGGTGGTGAATGTG  
CCGCCACATCCATGAAAAGGAAGCTTCTTACCAGCATCTACTCCCGCCACAGCCGCCAGCCCTCA  
CCTGCACCACCTATGGGGTACCCCAACCTCTCAGTGTTCAGTGGCACTGGAGGCCCTGGACACCCTGTA  
GACATTTGCCAGCGAGTCTCCGGAGCGGCAGCCCGGGATGGCATGCCACAGTGCCGAGACTGGAAG



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GAGGTGACCACTCAGGACGCTGTGAACCCCATCGAGAGCCTGGACACCTGGACCGAGTCTGTGGAGGGCA  
 AGAACAAAGACGGTGAGCAAGCTGGTATTGAGGATGCCAATGTGTGAGCCATGTACAAATGCGTGGTCTT  
 CAACAAAGTGGGCCAGGACGAGCGGCTCATCTACTTCTATGTGACCACCATCCCTGACGGCTTCAGTATC  
 GAATCAGAGCCATCCGAGGATCCCTTAGAAGGCCAGTCCGTGCGCCTCAGCTGCCGGGGGACAACACTACA  
 CGTATGAGCATCTGCGTGGTACCGGCTCAACCTCTCCACGCTGCACGACGCTCAAGGGAACCCCTACT  
 GCTCGACTGCAAGAACGTGCACCTGTTTGCACGCCCTAGAGGCCAACCTAGAGGAGGGGAGCCTGACTACGTGTG  
 GCCCGCCACGCCACCCCTCAGCTTGAATATCCCCGAGTGGCGCCGAGGACGAGGGTGACTACGTGTGTG  
 AAGTGCAGGATAGGCGCAGCCAGGACAAGCACTGCCACAAGAAGTACCTGTCCGTGCAGGCCCTGGAAGC  
 TCCTCGGCTCACGCAGAACTTAACCGACCTCCTGGTGAACGTGAGAACCTCCCTGGAGATGCGATGTCCG  
 GTAGCCGGAGCACATGTGCCAGTATTGTGTGGTACAAAGATGAAAGGCTCCTGGAGAAAGAGTCGGGAA  
 TCGACCTGGCAGACTCCAATCAGAGGCTGAGCATCCAACGCGTGCAGGAGGAGGACGAGGTGTTACCT  
 GTGCGTGTGTGCAATGCCAAGGGTGCCTAACTCCTCCGACGCTGGCCGTAGAAGGCTCGGAAGAT  
 AAAGGCAGCATGGAGATTGTGATACTATTGGCACTGGCGTCATCGAGTCTTCTTCTGGGTCTCCTCC  
 TGCTCATCTTCTGTAACATGAAAAGGCCTGCCATGCAGACATCAAGACGGGCTACCTGTCCATCATCAT  
 GGACCCCGGGGAGGTGCCTTTGGAGGAGCAGTGTGAATACCTGTCTATGACGTCAGCCAGTGGGAGTTC  
 CCCAGGGAAAGGTTGCACCTCGGAGAGTCTAGGCCATGGGGCTTTTGGGAAGGTGGTGGGAGCCCTCAG  
 CCTTTGGCATCAATAAAGGCAGCAGCTGTGATACCGTGGCGGTGAAGATGCTGAAAGAGGGCGCTACTGC  
 CAGCGAACACCGTGCCCTGATGTCCGAGCTCAAGATCCTAATTCACATCGGTAACCACCTCAATGTGGTC  
 AACCTCCTAGGGGCGTGACCAAGCCCAATGGCCCTCATGGTATCGTGGAGTTTTGCAAATACGGCA  
 ACCTCTCCAATTCTTGGCGTGTCAAGCGGGAGACGTTCCGACCCCTACGCGAGAGAAGTCTCCCGAGCAACG  
 CAGGCGCTTCCGCGGATGGTAGAAGGCCCAAGGCTGATAGGAGGAGACTTGGAAAGCACGACAGAGCC  
 CTGTTTACAAGGTTCTGATGGGCAAAGGAAGTGCACGGCGAGCCCATTTGTCCAAGAAGCTGAGGACC  
 TGTGGTTGAGCCCGCTGACCATGGAGGACCTTGTCTGTACAGTTTCCAAGTGGCCCGGGGAATGGAGTT  
 CCTGGCTTCCCGCAAGTGCATTCACAGAGACCTGGCTGCTCGGAACATTTTACTGTCAGAAAGTGACATA  
 GTGAAGATCTGTGACTTTGGCCCTGCTCGGGACATCTACAAAGACCTGACTATGTCCGAAAGGGCAGCG  
 CCCGACTGCCTCTGAAATGGATGGCCCCGAGAGCATCTTTGATAAGGTGTACACCACGAGAGTGTGATG  
 GTGGTCTTCCGCGTGTGCTGTGGGAGATCTTCTCATTGGGGGCTCTCCATACCCTGGGGTACAGATC  
 AATGAGGAATTCTGCCAGCGGCTGAAAGACGGCACACGAATGAGGGCCCCAGAAGTGGCCACTCCTGCCA  
 TACGCCACATCATGCAGAGTTGCTGGTCTGGAGACCCTAAAGCGAGGCCTGCTTCTCTGACCTAGTGG  
 GATCCTGGGGACCTGCTTCAAGGTGGAGGCTGGCAGGAGGAGGAGGAATGCATGGCCCTGCACAGT  
 TCTCAGAGCTCAGAGGAGGATGGCTTATGCAGGCATCCACCACAGCTTACATATCACGGAGGCTGACG  
 CTGAGAGCAGTCCACCCAGCATGCATTGCCACAGCCTGGCAGCCAGATATTACAAGTGTGTGCTTTCC  
 TGGGCGCTGGTCAAGGGGACTAAGGCTCCAGGTTCTCCAGGATGAAGACGTTTGAAGAATTGCCCATG  
 ACCCTACAACCTACAAAGCCTCTGTGGATAACCAAACAGACAGCGGGATGGTGTGCGCCTCAGAAGAGT  
 TTGAGCAGATAGAAAGCAGGCATAGACAAGAAGGCAGCTTCCAGCCGTAAGATCCTGGCCAGCACATGGA  
 TATTTCCAGAGGACACCCGACCTCCAGGGGAGGCGGCGACGGCCACCCAGGGGGCACAAGGAGGCAAG  
 GTGTTTTACAACAACGAGTATGGGGAGGTCTCCAGCCGTGTACAGAAGGTGACTGCTGCCCGTCTGCTG  
 GCTCCACCTTCTTCGACAGACAGCAACTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_053652

**Insert Size:**

4092 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<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>	<u><a href="#">NM_053652.1</a></u> , <u><a href="#">NP_446104.1</a></u>
<b>RefSeq Size:</b>	4360 bp
<b>RefSeq ORF:</b>	4092 bp
<b>Locus ID:</b>	114110
<b>UniProt ID:</b>	<u><a href="#">Q91ZT1</a></u>
<b>Cytogenetics:</b>	10q21
<b>Gene Summary:</b>	VEGF receptor-related, cell surface associated kinase with growth promoting ability [RGD, Feb 2006]