

## Product datasheet for **RN214765**

### **Vrk3 (NM\_001005561) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Vrk3 (NM_001005561) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vrk3
Synonyms:	MGC93929
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214765 representing NM\_001005561  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACCAGGCCCTGAGTCCACAAGCATGATCTCCTTCTGTCCACTCTGTGGCAAAGTGTCAAAGTAT  
 CATTCAAGTTCTGCCCTTACTGTGGCGAGGCCCTGCCTGTAGAGGAGGATGGAGGCACCCAGACTGGCAT  
 TACGCCTCTTGTGTCACCCCTTCGAGGCTCCAAGAGAGACCTGAACTCCAGTTCTGAAACCTCCCCAAG  
 AAAGTGAATGGTCACGCACTGTCACTTCTCTCCGCTCTCCCTCCACTCTGACTATGACAGTTCTGGAT  
 CTGATGACACCTTGAGTTCTCTGACAGAGCCACAGGCACCCGGAGCAGATCCCAGACCCCTAAAGGCAG  
 CCCACTTGCCAACAGGCTGAGCCCTCGGACACTGAAGCGGAGCCGGGTGACCACCTCACTCCAGGCTCTG  
 CCCACAGGGACAGAGCTGACAGACCAGAATGGGAAGCACTGGACACTGGGACCCTGCAGACCCGGGATG  
 ACCAAGGCATTCTCTATGCAGCTGAGCCTACTTCTGCCATCTCCAGTGAATCAAGGACCCAGAAGTGGAG  
 ATTCTCCCTCAAAGTGGACTCCAAGACGGCGCCTTTTCAATGAGCAGAACTTCTTTCAGAGAGCAGCC  
 AAGCCTCTGCAAGTGAACAAGTGAAGAAGCGGTGCTTGACCCCGCTCCTGGCCATCCCCACCTGCATCG  
 GCTTTGGCGTTCACCAGGACAAGTACAGGTTCTAGTGTCCCCAGCCTGGGAGGAGCCTTCAGTCAGC  
 CCTGGACGACAACCCGAAGCATGTGGTATCCGAGAGATGTATGCTGCAGGTGGCCTGCAGGCTGCTGGAT  
 GCTCTGGAGTATCTCCATGAACACGAGTATGTTACGGGAACCTGACCACTGAGAATGTCTTTGTGAATC  
 CAGAGGACCTGAGCCAGGTGACCCTGGTGGGCTATGGCTTCACTACCGATACTGCCAGGTGGCAAGCA  
 CGTGGCCTATAAAGAAGGCAGCAGGAGTCTACACGATGGGACCTGGAGTTCATTAGCATGGACGTGCAC  
 AAGGGATGCGGGCCCTCCCGCCGACGATCTCCAGACCTTGGGCTACTGTATGCTCAAGTGGCTTTATG  
 GGTCCTGCCATGGACAACTGCCTTCCAACACTGAAGAGATAACTAAGCAGAAGCAGAAGTATCAGGA  
 CAACCCTGAGCCCTGGTGGACTGTGTGGCCGCTGGAACAAGACCTCAGAGACCTTGCCGGAGTACCTG  
 AAGGTGGTGTATGGCCCTTATTACGAGGAGAAGCCGCCCTATGCCACGCTGAGGAACAATCTAGAAGTTC  
 TGCTGCAGAATATGCGGGTGTACCCCTATGACCCCTGGACCTCCAGATGGTGCCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001005561

**Insert Size:** 1389 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).

**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\_001005561.2, NP\_001005561.2  
RefSeq Size: 1734 bp  
RefSeq ORF: 1389 bp  
Locus ID: 361565  
Cytogenetics: 1q22