

## Product datasheet for MC201539

### Vrk3 (NM\_133945) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vrk3 (NM\_133945) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Vrk3  
**Synonyms:** A1428238  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC024839 sequence for NM\_133945  
 GTTTCTGCGGGCAACTGTAAAGGCTGGTGTGCGAGATGGAGTGTCTAACCCAGTAATCCAAGGACCAGAC  
 CCCGAGGCCACAAGCATGATCTCTCTTCTGTCCAGTCTGTGGCAAAGTGTCAAGGTATCATTCAAGTTC  
 TGCCCTTACTGTGGCAAGGCCCTGCCTGTAGAGGAGGATGGAGGCACCCAGTCTGCCGTGACGCCTCATG  
 TGTTCATCCGTTCCAGGCTCCAGGAGAGACCTGAACTCCAGTTTTGAAACCTCTCCCAAGAAAGTGAATG  
 CTCACACACTGTCACTTCTCTCCACTCTCCGCCACTCTGACTGTGACAGTTCTGGGTGACAGACAACACC  
 TTGACTTCTCCTGACAGGGCCACAGGCACCCGGAGCAGACCCCTGACCCCAAGGCAGCCCACTTTCCA  
 ACAGGCAGAGCCCTCAGACTCTGAAGCGGACCCGGGTGACCACCTCACTCCAGGCTTAGCCACAGGAAC  
 AGAGCTGACAGACCAGAATGGGAAACACTGGACCCTGGGGCCCTGCAGATCCGGGATGACCAAGGCATT  
 CTCTATGAAGCTGAGCCTACTTCTGCCGTCCTCTGAATCAAGGACCCAGAAGTGGAGATTCTCACTCA  
 AACTGGACTCCAAGGATGGGCGCCTTTTCAATGAGCAGAATTCTTTAGAGAGTAGCCAAGCCTCTGCA  
 AGTGAACAAATGGAAGAAGCAGTTCTTGCTCCCGCTCCTGGCCATCCCCACCTGTATCGGCTTTGGCATT  
 CACCAGGACAAGTACAGTTCTAGTATTTCCAGCCTGGGGAGGAGCCTTCAGTCAGCCCTGGATGACA  
 ACCCAAAGCATGTGGTATCAGAGAGATGTGTGCTTCAGGTGGCCTGCAGGCTGCTGGATGCTCTGGAGTA  
 TCTCCATGAAAATGAGTATGTTACGGGAACCTGACAGCTGAGAAATGCTTTGTGAATCCAGAGGATCTG  
 AGCCAGGTGACCCCTGGTGGGCTATGGCTTACCTACCGATACTGCCAGGTGGCAAACACGTGGCCTACA  
 AAGAAGGCAGCAGGAGTCCACACGATGGGGACTTGGAGTTCATTAGCATGGACCTGCACAAGGGATGCGG  
 ACCCTCCCGCCGACGCGATCTCCAGACCTTGGGCTACTGTATGCTCAAGTGGCTTTATGGTCCCTGCCA  
 TGGACAAAATTGCCTTCCCAACACCGAAAAGATAACTAGGCAGAGCAGAAGTATCTGGACAGCCCGGAGC  
 GCCTCGTGGGACTGTGTGGCCGCTGGAACAAGGCCTCAGAGACCTGCGGGAGTACCTGAAGGTGGTGAT  
 GGCCCTCAATTATGAGGAGAAGCCACCCTATGCCACGCTGAGGAACAGCCTAGAAGCTCTGCTGCAGGAT  
 ATGCGGGTGTACCCTATGACCCTCTGGACCTCCAGATGGTGCCTTAGATGGAATCCAGAGCTTCCGACT  
 TGCAGCTTGAAGTAGAACATGAAGTAGTGTGACTGGAGGCTGTTTGAACATAGCTCCTAAAAGAATC  
 CCTTGAATGTGATTCTCACCCTCCCTTAGGACATATGAATCAGCACTTGTGTTGGGAACCTGAGTCA  
 TGTGATGAATGTGAACTCCTCCTGTCTCAGCTCTGGCAGCTGTGGATGGAGGTAAGTGGATGCTGGC  
 GCGCGCGGCGCAGCAGCCACTCCACTCCCTATGGCATTCTGTGATGGCATAATAAACTGTTTTTAATC  
 AA



[View online »](#)

<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_133945
<b>Insert Size:</b>	1362 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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="#">BC024839</a> , <a href="#">AAH24839</a>
<b>RefSeq Size:</b>	1790 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	101568
<b>UniProt ID:</b>	<a href="#">Q8K3G5</a>
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	Inactive kinase that suppresses ERK activity by promoting phosphatase activity of DUSP3 which specifically dephosphorylates and inactivates ERK in the nucleus.[UniProtKB/Swiss-Prot Function]