

## Product datasheet for **RN217273**

### **Kctd1 (NM\_001100516) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kctd1 (NM_001100516) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kctd1
Synonyms:	Vad; Vad5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217273 representing NM\_001100516  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGAGAATGCCTGGCAGCGGGGACTGTAACACCAGCGCGGGCGCAGCGCCCGCTGGGGCCGAGA  
 ACAATGGGGAGCGGGGCGAGGGCGAGCGGGGCGGGGCGCGGTTCGCCGCTACGGCCCGCCGATTA  
 CTGCAGCGCGGGCGAGGAGGAGGAAGAGGAGGAGGAGGACGAGATCCAGGAGTGCAGATAACGGGG  
 GACGAGGAGGAGGACGGAGGTGGGGGGTGGAGGAGGACGAGGAGGAGGAGGAAGAGGAGGAGATGGGGA  
 TGGACTGGGAAGAGCCCCCTGGAGCCAGAGGACTCGGCCGGGGAGGAGCTGGAGCCCGAGCCGGTCCATAT  
 GATCCATATGGACCAGAGCGCCGCTGGAGCCCGAGGCGCCACGACTGCTGGCGCCCGGGCCCGC  
 GCGGGGCCCGGGGACAGCGGGAGCTGGACCCGACGTGCTGCAGCGCCCGAGCGGGCCCGGCTGA  
 GCGAGAACACCCGGCTGGCCACCCGCTACGCCGTGCGCATCTTCCGGGAGTACCTGAGCGAAAAGGCTCA  
 GAGCCCAGACTTCGAGACCATGGACAAGGGGGCGCTGTGCCGCTGCTGCCTCTTCTATGCCGAGGCC  
 CGTTCTAAGAGCGGCCAGCTCTACAGCAAGTCTCGCTCATCAGCATCCGAGCTCCCTCAACCGCTACC  
 TCAACGAGCCCCCTTACTGTCGACGCTCGACCTACCAAGGACCCCGAGCTGCGCAGCGCCAACCTGAC  
 GCTGGCCGAGTCATCCGCAAGCTCGAGGAGCAGGGCGCGGGGCCGTTGGTGCAGAAGCAAGCCATCACG  
 CGCGCCGACCTGCGCAAGCTCTACACCTCCAGCGTCTTACGACCAACACGCCCTTTGGACTGCTCAACA  
 AGGTCTGGTTCGAGACGTGCATGTACTTTTGCACGCGAGGCCGCGAGAACCAGCGCGAGCTGGAGGAGGA  
 CTCCTTCGGGCTGGCCATGGACGAGGACGGTCGCAAGTTCGTCTACTTCAAGTCGCTCGGGCCTTACCAC  
 AAGTCGCGTTCCTCGTCTGGAGTAAGAAGCGAGCGGAGAGCAGCGACGAAGAGAAGTTCCTCGCATGT  
 ACGAGCAGGCACTGAGTCTGTCCCTACGCCAGCTTTGTCAAGTACCTGTCTAAGCGCAATCCCCTGTG  
 TAAGGCGTTCCTCCAGCGGCCCGGGACCCTGCAGCGAGGGCGATGTGACATGGTACGAGAACAAGCC  
 ATAGGCAAGAAGTCTGGGACCAAGGATGCAGATGCTCTCAAGGCAGCCAAGCTGTCCAAGACCTACA  
 CTAACCACTGCATCGGCGCGGTGTCCATCGCCACGCTCAACAGCATCGCGGGCATCGGGACCAAGCTAGG  
 CTCCCCAGCCCCGAGGGCTGCTACACCGACTCTGTAACGGGTGAGCTCGTACCACCTCCACCATGCC  
 CCCACCATCCTTCCCACCACCACCGCCCCAGCCGCTCTCGTGGGTAGCACTTATATCTCCCCAAAG  
 ACAGCCAGGTGGGCCCCGAGTGAAGTCCGAGGCTGCGCCCAAGCGCGCTGTACGAGTCAAGTTCGG  
 GTCCGGGAAATCTCGGCCCTTCTCCCCAAAAGACTTTGTATCCGTCCCTCCTCGAACCTGTGGAT  
 GCGGTGTAAGTGGTTTCCGTGAAACACGACCCCTGCCTTCTTCCAGAAGTCAATGGGCACCGAAGCA  
 CCAATCTCCCACCATAGTTTACCTGCTATTGTTTCCCCACCCAGGACAGTCCGCCCAATATGTCAAG  
 ACCTCTGATCACTAGATCCCCCGCATCGCCACTGAACAACCAAGGCATTCCAACCTCCAGCACAGCTCACC  
 AAGTCCAATGCTCCCGTCCACATTGACGTGGGCGGCCACATGTACACCAGCAGCCTGGCCACCCTCACCA  
 AATACCCCGAATCAAGAATCGGAAGACTCTTCGATGGCACAGAGCCATTGTCTCGGACAGTCTCAACA  
 GCACTATTTTCATTGACAGAGACGGGAGATGTTTCAGATATATCTTGAATTTCTACGAACATCAAAACTC  
 CTCATTTCCCGATGATTTCAAGGACTACACTTTGTTGATGAAGAGGCAAAATATTTCCAACCTCCAGCCCA  
 TGTTGTTGGAGATGGAGCGATGGAACAGGACAGAGAAACGAGCCGCTTTTACGGCCCTGCGAGTGCCT  
 CGTGGTGGTGTGGCCCCGGACCTTGAGAAAGGATCACGCTCAGTGGGACAAGTCTTGTATAGAAGAA  
 GTGTTTCCCGAGATCGGGGACGTGATGTCAACTCCGTCATGCAGGTTGGAATACGACTCGACGATG  
 TCATCAGGTTTCACTAAACGGCTACTGCCACCTCAACTCAGTTCAGGTCCTCGAGCGGTTGAGCAAAG  
 AGGATTTGAAATTGTGGTTTCTGTGGAGGAGCGTGGACTCATCCAGTTCAGTGAATACGCTCCTCCGA  
 CGGGAAGTGAACGACACCCCGAGTACCCTCCGTATCCGGATAAAACAGGAGCCACTGGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001100516  
**Insert Size:** 2586 bp

<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001100516.1, NP_001093986.1</u>
<b>RefSeq Size:</b>	3431 bp
<b>RefSeq ORF:</b>	2586 bp
<b>Locus ID:</b>	291772
<b>Cytogenetics:</b>	18p13