

## Product datasheet for **RN217179**

### Trpv2 (NM\_001270797) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv2 (NM_001270797) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpv2
Synonyms:	Vrl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217179 representing NM\_001270797  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTTCAGCCTCCAGCCCCAGCTTTCAGGCTGGAGACTCCGATGGAGATGAAGAGGGCAATGCTG  
 AGGTGAACAAGGGGAAGCAGGAACCGCCCCCATGGAGTCACCATTCCAGAGGGAGGACCGGAATTCCTC  
 CCCTCAGATCAAAGTGAACCTCAACTTCATAAAGAGACCTCTAAAAACACTTCTGCTCCAGCCAGCAG  
 GAGCCAGATCGGTTTGACCGTGACCGACTTTCAGTGTGGTCTCCCGGGGTGTCCCGAGGAACTGACTG  
 GACTGCTAGAATACCTGCGCTGGAACAGCAAGTACCTCACTGACTCTGCATACACAGAAGGCTCCACTGG  
 AAAGACGTGCCTGATGAAGGCTGTGCTGAACCTTCAGGATGGGGTCAATGCCTGCATCATGCCGCTGCTG  
 CAGATTGACAAGGATCCGGCAATCCCAAGCCCCTCGTCAATGCCAGTGCATCGATGAGTTCTACCAAG  
 GCCACAGTGCCTGCACATCGCCATAGAGAAGAGGAGCCTGCAGTGCCTGAAGCTGCTGGTAGAGAAATGG  
 AGCGGATGTTACCTCCGAGCCTGTGGCGCTTCTTCCAAAAGCACCAAGGAACCTGTTTCTATTTTGG  
 GAGCTACCTCTTCTCTGCTGCGTGCACCAAGCAGTGGGATGTGGTGACCTACCTCCTGGAGAACCAC  
 ACCAGCCGGCCAGCCTGGAGGCCACCGACTCCCTGGGCAACACAGTCTGCATGCTCTGGTAATGATTGC  
 AGATAACTCGCCTGAGAACAGTGCCTGGTGATCCACATGTACGACGGGCTTCTACAAATGGGGGCGCGC  
 CTCTGCCCACTGTGCAGCTTGAGGAAATCTCCAACCACCAAGGCCTCACACCCCTGAAACTAGCCGCCA  
 AGGAAGGCAAAATCGAGATTTTCAGGCACATTCGACGCGGAATTCTCAGGACCGTACCAGCCCCTTTC  
 CCGAAAGTTTACTGAGTGGTGTACGGTCTGTGCGGGTATCGCTGTACGACCTGCTCTGTGGACAGC  
 TGGGAAAAGAAGCTCGGTGCTGGAGATCATCGCTTTTCAATTGCAAGAGCCGAACCGGCACCGCATGGTGG  
 TTTTGAACCACTGAACAAGCTTCTGCAGGAGAAATGGGATCGGCTCGTCTCAAGATTCTTCTCAACT  
 CGCTGCTACTTGGTCTACATGTTTCATCTTACCGTCTGCTACCACAGCCTTCCCTGGATCAGCCA  
 GCCATCCCTCATCAAAGCGACTTTTGGGGAATCCATGCTGCTGCTGGGCCACATTCTGATCCTGCTTG  
 GGGTATTTACTCTTACTGGGCCAGTGTGGTACTTTTGGCGCGCGCCTGTTTCATCTGGATCTCATT  
 CATGGACAGTACTTTGAAATCCTTTTCTCCTCAGGCTCTGCTCACAGTGTGTCCCAGGTGTGCGC  
 TTCATGGAGACTGAATGGTACCTACCCCTGCTAGTGTATCCCTAGTGTGGGCTGGCTGAACCTGCTTT  
 ACTACACAGGGGCTTTCAGCACACAGGCATCTACAGTGCATGATCCAGAAGGTATCCTTCGAGACCT  
 GCTCCGTTTCTGCTGGTCTACCTGGTCTTCTTTTCGGCTTTGCTGTAGCCCTAGTAAGCTTGAGCAGA  
 GAGGCCGAAGTCCCAAAGCCCCTGAAGATAACAACCTCCACAGTGACGGAACAGCCACGGTGGGCCAGG  
 AGGAGGAGCCAGCTCCATATCGGAGCATTCTGGATGCCTCCCTAGAGCTGTTCAAGTTACCATTGGTAT  
 GGGGGAGCTGGCTTTCCAGGAACAGCTGCGTTTTCTGTTGGGGTGGTCTGCTGTTGCTGTTGGCCTACGTC  
 CTTCTACCTACGTCCTGCTGCTCAACATGCTCATTGCTCTCATGAGCGAAACTGTCAACCACGTTGCTG  
 ACAACAGCTGGAGCATCTGGAAGTTGCAGAAAGCCATCTCTGCTTGGAGATGGAGAAATGGTTACTGGTG  
 GTGCCGGAGGAAGAAACATCGTGAAGGGAGGCTGCTGAAAGTCCGACACAGGGGGATGGTACCCCTGAT  
 GAGCGCTGGTGTTCAGGGTGGAGGAAGTAAATGGGTTGCTTGGGAGAAGACTTTCACCTTATCTG  
 AGGATCCATCAGGGCCAGGCATCACTGGTAATAAAAAGAACCCACTCTAAACCGGGGAAGAACAGTGC  
 CTCAGAGGAAGACCATCTGCCCTTCAGGTCCTCCAGTCCCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270797  
**Insert Size:** 2286 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_001270797.1, NP_001257726.1</u>
<b>RefSeq Size:</b>	2811 bp
<b>RefSeq ORF:</b>	2286 bp
<b>Locus ID:</b>	29465
<b>UniProt ID:</b>	<u>Q9WUD2</u>
<b>Cytogenetics:</b>	10q23
<b>Gene Summary:</b>	ion channel that may be activated by high temperature; may transduce high threshold heat responses in sensory ganglia [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.