

## Product datasheet for **RN205142**

### Trpv2 (NM\_017207) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv2 (NM_017207) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpv2
Synonyms:	Vrl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN205142 representing NM\_017207  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTTCAGCCTCCAGCCCCAGCTTTCAGGCTGGAGACTCCGATGGAGATGAAGAGGGCAATGCTG  
 AGGTGAACAAGGGGAAGCAGGAACCGCCCCATGGAGTCACCATTCCAGAGGGAGGACCGAATTCCTC  
 CCCTCAGATCAAAGTGAACCTCAACTTCATAAAGAGACCTCTAAAAACACTTCTGCTCCAGCCAGCAG  
 GAGCCAGATCGGTTTGACCGTGACCGACTTTCAGTGTGGTCTCCCGGGGTGTCCCGAGGAACTGACTG  
 GACTGCTAGAATACCTGCGCTGGAACAGCAAGTACCTCACTGACTCTGCATACACAGAAGGCTCCACTGG  
 AAAGACGTGCCTGATGAAGGCTGTGCTGAACCTTCAGGATGGGGTCAATGCCTGCATCATGCCGCTGCTG  
 CAGATTGACAAGGATCCGGCAATCCCAAGCCCCTCGTCAATGCCAGTGCATCGATGAGTTCTACCAAG  
 GCCACAGTGCCTGCACATCGCCATAGAGAAGAGGAGCCTGCAGTGCCTGAAGCTGCTGGTAGAGAAATGG  
 AGCGGATGTTACCTCCGAGCCTGTGGCGCTTCTTCCAAAAGCACCAAGGAACCTGTTTCTATTTTGG  
 GAGCTACCTCTTCTCTGCTGCGTGCACCAAGCAGTGGGATGTGGTGACCTACCTCCTGGAGAACCAC  
 ACCAGCCGGCCAGCCTGGAGGCCACCGACTCCCTGGGCAACACAGTCTGCATGCTCTGGTAATGATTGC  
 AGATAACTCGCCTGAGAACAGTGCCTGGTGATCCACATGTACGACGGGCTTCTACAAATGGGGGCGCGC  
 CTCTGCCCACTGTGCAGCTTGAGGAAATCTCCAACCACCAAGGCCTCACACCCCTGAAACTAGCCGCCA  
 AGGAAGGCAAAATCGAGATTTTCAGGCACATTCGACGCGGAATTCTCAGGACCGTACCAGCCCCTTTC  
 CCGAAAGTTTACTGAGTGGTGTACGGTCTGTGCGGGTATCGCTGTACGACCTGCTCTGTGGACAGC  
 TGGGAAAAGAAGTCCGGTCTGGAGATCATCGCTTTTCAATTGCAAGAGCCGAACCGGCACCGCATGGTGG  
 TTTTGAACCACTGAACAAGCTTCTCAGGAGAAATGGGATCGGCTCGTCTCAAGATTCTTCTCAACT  
 CGCTGTACTTGGTCTACATGTTTCACTTTCACCGTCTGCTACCACAGCCTTCCCTGGATCAGCCA  
 GCCATCCCTCATCAAAGCGACTTTTGGGGAATCCATGCTGCTGCTGGGCCACATTCTGATCCTGCTTG  
 GGGTATTTACTCTTACTGGGCCAGTGTGGTACTTTTGGCGCGCGCCTGTTTCTGATCTGGATCTCATT  
 CATGGACAGTACTTTGAAATCCTTTTCTCCTCAGGCTCTGCTCACAGTGTGTCCCAGGTGTGCGC  
 TTCATGGAGACTGAATGGTACCTACCCCTGCTAGTGTATCCCTAGTGTGGGCTGGTGAACCTGCTTT  
 ACTACACAGGGGCTTTCAGCACACAGGCATCTACAGTGCATGATCCAGAAGGTATCCTTCGAGACCT  
 GCTCCGTTTCTGCTGGTCTACCTGGTCTTCTTTTTCGGCTTGTGTAGCCCTAGTAAGCTTGAGCAGA  
 GAGGCCGAAGTCCCAAAGCCCCTGAAGATAACAACCTCCACAGTGACGGAACAGCCACGGTGGGCCAGG  
 AGGAGGAGCCAGCTCCATATCGGAGCATTCTGGATGCCTCCCTAGAGCTGTTCAAGTTCACCATTGGTAT  
 GGGGGAGCTGGCTTTCCAGGAACAGCTGCGTTTTCTGTTGGGTTGCTGCTGTTGCTGTTGGCCTACGTC  
 CTTCTACCTACGTCCTGCTGCTCAACATGCTCATTGCTCTCATGAGCGAAACTGTCAACCACGTTGCTG  
 ACAACAGCTGGAGCATCTGGAAGTTGCAGAAAGCCATCTCTGTCTTGAGATGGAGAATGGTTACTGGTG  
 GTGCCGGAGGAAGAAACATCGTGAAGGGAGGCTGCTGAAAGTCCGACACAGGGGGATGGTACCCCTGAT  
 GAGCGTGGTGTTCAGGGTGGAGGAAGTAAATGGGTTGCTTGGGAGAAGACTTTCACCTTATCTG  
 AGGATCCATCAGGGCCAGGCATCACTGGTAATAAAAAGAACCAACCTCTAAACCGGGGAAGAACAGTGC  
 CTCAGAGGAAGACCATCTGCCCTTCAGGTCCTCCAGTCCCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1518\\_f06.zip](https://cdn.origene.com/chromatograms/ja1518_f06.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_017207

**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>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="#">NM_017207.2</a> , <a href="#">NP_058903.2</a>
<b>RefSeq Size:</b>	2834 bp
<b>RefSeq ORF:</b>	2286 bp
<b>Locus ID:</b>	29465
<b>UniProt ID:</b>	<a href="#">Q9WUD2</a>
<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 (1) represents the longest transcript. All three variants encode the same protein.