

## Product datasheet for **RN213617**

### Trpv1 (NM\_031982) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv1 (NM_031982) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpv1
Synonyms:	TRPV1_SON; VR.5'sv; Vr1; Vr111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213617 representing NM\_031982  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAACAACGGGCTAGCTTAGACTCAGAGGAGTCTGAGTCCCCACCCCAAGAGAACTCCTGCCTGGACC  
CTCCAGACAGAGACCCTAACTGCAAGCCACCTCCAGTCAAGCCCCACATCTTCACTACCAGGAGTCTGAT  
CCGGCTTTTTGGGAAGGGTGACTCGGAGGAGCCCTCTCCCTGGACTGCCCTTATGAGGAAGGGCGGCTG  
GCTTCTGCCCTATCATCACTGTCTGAGTCTGTTCTAACTATCCAGAGCCCTGGGGATGGACTGCCAGTG  
TCAGGCCGTATCCAGGACTCCGTCTCCGCTGGTGAAGCCCCGAGGCTCTATGATCGCAGGAGCAT  
CTTCGATGCTGTGGCTCAGAGTAACTGCCAGGAGCTGGAGAGCCTGCTGCCCTTCTGCAGAGGAGCAAG  
AAGCGCTGACTGACAGCGAGTTCAAAGACCCAGAGACAGGAAAGACCTGTCTGCTAAAAGCCATGCTCA  
ATCTGCACAATGGGCAGAATGACACCATCGCTCTGCTCCTGGACGTTGCCCGGAAGACAGACAGCCTGAA  
GCAGTTTGTCAATGCCAGCTACACAGACAGCTACTACAAGGGCCAGACAGCACTGCACATTGCCATTGAA  
CGCGGAAACATGACGCTGGTACCCCTCTTGGTGGAGAATGGAGCAGATGTCCAGGCTGCCGCTAACGGGG  
ACTTCTCAAGAAAACAAAGGGAGGCCTGGCTTCTACTTTGGTGAAGTCCCTGTCCCTGGCTGCGTG  
CACCAACCAGCTGGCCATTGTGAAGTTCCTGCTGCAGAACTCCTGGCAGCCTGCAGACATCAGCGCCCGG  
GACTCAGTGGGCAACACGGTGTTCATGCCCTGGTGGAGTGGCAGATAACACAGTTGACAACACCAAGT  
TCGTGACAAGCATGTACAACGAGATCTTATCCTGGGGCCAACTCCACCCACGCTGAAGCTGGGAAGA  
GATCACCAACAGGAAGGGGCTCACGCCACTGGCTCTGGCTGCTAGCAGTGGGAAGATCGGGTCTTGGCC  
TACATTCTCCAGAGGAGATCCATGAACCCGAGTGCCGACACCTATCCAGGAAGTTCACCGAATGGGCT  
ATGGGCCAGTGCCTCCCTTTATGACCTGTCTGCTGATGACACCTGTGAAAAGAACTCGGTTCTGGA  
GGTGATCGCTTACAGCAGCAGTGAGACCCCTAACCGTCATGACATGCTTCTCGTGGAAACCTTGAACCGA  
CTCCTACAGGACAAGTGGGACAGATTTGTCAAGCGCATCTTCTACTTCAACTTCTTCGTCTACTGTTGT  
ATATGATCATCTTACCAGCGGCTGCCTACTATCGGCCTGTGGAAGGCTTGCCCCCTATAAGCTGAAAAA  
CACCGTTGGGACTATTTCCGAGTACCAGGAGAGATCTTGTCTGTGTCAGGAGGAGTCTACTTCTTCTTC  
CGAGGGATTCAATATTTCTGCAGAGGCGACCATCCCTCAAGAGTTTGTGGTGGACAGCTACAGTGA  
TACTTTCTTGTACAGTCTGTTTCTGCTGGTGTCTGTGGTACTGTACTTCAGCCAACGCAAGGAGTA  
TGTGGCTCCATGGTGTCTCCCTGGCCATGGGCTGGACCAACATGCTCTACTATACCCGAGGATCCAG  
CAGATGGGCATCTATGCTGTCTGATTGAGAAGATGATCCTCAGAGACCTGTGCCGTTTATGTTCTGCT  
ACCTCGTGTCTTGTGGATTTCCACAGCTGTGGTGAAGTCTGAGGATGGGAAGAATAACTCTCT  
GCCTATGGAGTCCACACCACACAAGTGGCGGGGCTGCTGCTGCAAGCCAGGTAACCTTTACAACAGCCTG  
TATTCCACATGTCTGGAGCTGTTCAAGTTCACCATCGGCATGGGCGACCTGGAGTTCAGTGAAGTACG  
ACTTCAAGGCTGTCTTATCATCTCTGTTACTGGCCTATGTGATTCTCACCTACATCCTTCTGCTCAACAT  
GCTCATTGCTCTCATGGGTGAGACCGTCAACAAGATTGCACAAGAGAGCAAGAACATCTGGAAGTGCAG  
AGAGCCATCACCATCCTGGATACAGAGAAGAGCTTCTGAAGTGCATGAGGAAGGCTTCCGCTCTGGCA  
AGCTGCTGCAGGTGGGTTCACTCCTGACGGCAAGGATGACTACCGGTGGTGTTCAGGGTGGACGAGGT  
AAACTGGACTACCTGGAACACCAATGTGGTATCATCAACGAGGACCCAGGCAACTGTGAGGGCGTCAAG  
CGCACCTGAGCTTCTCCCTGAGGTGAGCCGAGTTTCAGGGAGAACTGGAAGAAGTTTCCCTGGTTTC  
CCCTTCTGAGGGATGCAAGCACTCGAGATAGACATGCCACCCAGCAGGAAGAAGTTCAACTGAAGCATT  
TACGGGATCCCTTAAGCCAGAGGATGCTGAGGTTTTCAAGGATCCATGTTCCAGGGGAGAAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1453\\_c07.zip](https://cdn.origene.com/chromatograms/ja1453_c07.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_031982

Insert Size: 2517 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_031982.1</a> , <a href="#">NP_114188.1</a>
<b>RefSeq Size:</b>	2847 bp
<b>RefSeq ORF:</b>	2517 bp
<b>Locus ID:</b>	83810
<b>UniProt ID:</b>	<a href="#">O35433</a>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	ion channel that demonstrates heat-evoked membrane currents [RGD, Feb 2006]