

Product datasheet for **MC200896**

Trpv2 (NM_011706) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv2 (NM_011706) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpv2
Synonyms:	GRC; OTRPC2; VRL-1; Vr11
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005415 sequence for NM_011706
 CCCACGCGTCCGCCACGCGTCCGCCACGCGTCCGCGAACAGGTGGAGGGTGGACGATACAGAGAAAGC
 TCAGGGCCAGCTACGGAGGCTTCCGCAGCCTCATTGCTGTGACGGCACTTCTCTCTCAATCCCCGCTG
 CTGGAGAGTCCCCTAGGCTTGGTGATCCTGGCTTGTAGTCTGCTGCCGTACGCCTTGACTTCAGCCTG
 AGGGGTCCCAGCCAGGCCTACCCACTGCGGTATGAGAGAGAGAGGGGAACCTTAAGATCTCCATCTCCA
 CAGAAGTTTCAGCGATAAGGAGCACCTCCTCTCTCAGGATGACTTCAGCCTCCAACCCCCAGCTTTTA
 GGCTGGAGACGTCCGATGGAGATGAAGAAGGCAGTGTGAGGTGAACAAGGAAAGAAATGAGCCACCCCC
 CATGGAGTCTCCCTTCCAGGGAGAGACCAGGAACTTCTCCCTCAGATTAAGTGAATCTCAACTACCGA
 AAGGGACTGGGTCCCAGCCAACAGGACCCAAATCGGTTTGACCGTGACCGACTCTTCAGTGTGGTCTCCC
 GGGGTGTCCCGAGGAGCTGACTGGACTGCTAGAGTACCTGCGCCGACCAGCAAGTACCTCACTGACTC
 GGCATACACAGAAGGCTCCACTGGAAAGACGTGCCTGATGAAGGCTGTGCTGAACCTTCAGGATGGGGTC
 AATGCCTGTATCCTGCCGCTGCTGCAGATTGACAGGGATTCCGGCAATCCTCAGCCCTTGTCAATGCC
 AGTGCACCGATGAGTTCTACCGAGGCCACAGTGCCTGCACATCGCCATAGAGAAGAGGAGCCTGTGGT
 CGTGAAGCTGCTGGTAGAGAATGGAGCGAATGTTACATCCGAGCCTGTGGCCGCTTCTTCCAAAAGCAC
 CAAGGAAGTTGTTTCTATTTGGAGAGTACCTCTTTCTGCGCAGCGTGACCAAGCAGTGGGATGTGG
 TGACCTACCTCCTGGAGAACCCACACCAGCCTGCCAGCCTGGAGGCCACCGACTCCTGGCAACACAGT
 CCTGCATGCTCTGTAATGATTGCAGACAACTACCTGAGAACAGTGCCTGGTGTATCCACATGTATGAC
 AGCCTTCTCCAAATGGGGGCCCGCTCTGCCCACTGTACAGCTTGAGGATATCTGCAACCATCAAGGCC
 TCACACCCTGAAGTTGGCTGCCAAGGAAGTAAAATTGAGATCTTCAGGCACATCCTGCAGCGGGAGTT
 CTCAGGGCTGTACCAGCCCTTTCCGAAAAGTTACCCAGTGGTGTACGGTCTGTCCGAGTGTCACTG
 TACGACCTGTCTGTGGACAGCTGGGAAAAGAACTCGTCTGAAATCATCGCTTCCATTGCAAGA
 GCCCGCACCGGCACCGCATGGTGGTTTTAGAGCCACTGAACAAGCTTCTGCAGGAGAAATGGGATCGGT
 CATCCCAAGATTCTTCAACTTCGCTTACTTGGTCTACATGATCATCTTACCATAGTTGCCTAC
 CACCAGCCTTCCCTGGAGCAGCCAGCCATTCCTCATCAAAGCGACTTTTGGGGACTCCATGCTGCTGT
 TGGGCCAATTCTGATCCTGCTTGGGGTATTTACCTTACTGGCCAGCTGTGGTACTTTTGGCGCG
 GCGCCTGTTTCTGATCCTCGTTCATGGACAGTACTTTGAAATCCTCTTCTTGTCCAGGCGCTGCTC
 ACAGTGTGTCCAGGTGCTGCGCTTCTGGAGACTGAATGGTACCTCCCTGTTAGTGTATCCCTAG
 TGCTGGGTGGTGAACCTGCTTATTATACACGTGGCTTTCAGCACACAGGCATCTACAGTGTATGAT
 CCAAAGGTCAATCTGCGAGACCTGCTCCGCTTCTGCTGGTCTACCTAGTCTTCTTTTCCGCTTTGCT
 GTAGCCCTAGTAAGCTTGAGCCGGGAGGCCGAAGTCCCAAAGCCCTGAAGATAGCAACACCCTGTGA
 CGGAAAAGCCACGCTGGGTGAGGAGGAGCCAGTCCCATATGGGGGATTCTGGATGCCTCCCTAGA
 GCTGTTCAAGTTCACCATTGGTATGGGTGAGCTGGCTTCCAGGAACAGCTGCGCTTTCGTGGGGTGGT
 CTGCTGTTGCTGTGGCCTACGTCCTCACCTACGTCCTACTGCTCAACATGCTCATTGCCCTCATGA
 GTGAGACTGTCAACAGCGTTGCCACTGACAGCTGGAGCATCTGGAAGTTGCAGAAAGCCATCTGTCTT
 GGAGATGGAGAATGGTTACTGGTGGTGCAGGAGGAAAAGGCATCGCGCAGGGAGGCTGCTGAAAGTTGGC
 ACCAAAGGGGATGGTATACCTGATGAGCGCTGGTGTTCAGGGTGGAGGAAGTAAACTGGGCTGCATGGG
 AGAAGACCCTTCCACCTTATCTGAGGATCCATCAGGGGCAGGCATCACTGGTTAAAAAAGAACCCAAC
 CTCTAAACCTGGGAAGAACAGTGCCTCAGAGGAAGACCATCTGCCTTTCAGGTCCCTCCAGTCCCCTGA
 CGGTCCAGATGCGGCAGCAGCAGGCTGGCAGGGTAGAGTAGGGAATTTTGGCAGCCACACCCGAGGCTAC
 TGAATTTTGGTGGAAATATAAATATTTTTTGCATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011706
Insert Size: 2271 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [BC005415](#), [AAH05415](#)

RefSeq Size: 2710 bp

RefSeq ORF: 2271 bp

Locus ID: 22368

UniProt ID: [Q9WTR1](#)

Cytogenetics: 11 B2

Gene Summary: Calcium-permeable, non-selective cation channel with an outward rectification. Seems to be regulated, at least in part, by IGF-I, PDGF and neuropeptide head activator. May transduce physical stimuli in mast cells. Activated by temperatures higher than 52 degrees Celsius; is not activated by vanilloids and acidic pH.[UniProtKB/Swiss-Prot Function]