

Product datasheet for **RN208885**

Trpv5 (NM_053787) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv5 (NM_053787) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpv5
Synonyms:	CaT2; Ecac1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208885 representing NM_053787
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGTGAAAAACCTTGGATCCAACCTCAGAAACGTCTCAACTGGTGGGTGAGAGAACAAGACTGGA
 ACCAGCATGTGGATCAGCTTCATATGCTACAGCAGAAAAGTATTTGGGAGTCACCACTGCTTAGAGCAGC
 CAAGGAAAATGATATGTGCACACTTAAGAGACTTCAACATGACCAGAAGTGTGACTTCCGACAAAGAGGA
 GCTCTGGGGGAGACAGCACTGCATGTAGCAGCCCTCTATGACAACCTGGATGCTGCTATAATGCTGATGG
 AGACTGCTCCATACTTGGTCACGGAGTCTACACTGTGTGAGCCATTTGTAGGTGAGACTGCACTGCACAT
 CGCAATTATGAACCAGAATGTGAACCTGGTCCGTGCCCTGCTAGCCCAGGAGCCAGTGCCTCCGCCAGG
 GCTACAGGTTCTGCCTCCATCGAAGTCCCACAACCTCATCTACTATGGAGAACATCCTTTGCTCTTTG
 CTGCCTGTGTGGGTAGTGAGGAGATTGTTAGACTGCTCATTGAGCATGGAGCTGACATTCGGGCCAGGA
 CTCCTTGGGAAATACAGTACTACACATACTTGTCTACAGCCCAACAAAACCTTTGCCTGCCAGATGTAC
 AACCTGCTACTCTCCCATGATGGGGGAGACCACCTGAAGTCCCTGGAACCTTGTGCCAACCAACCAAGGAC
 TCACCCCTTCAAGCTGGCTGGGGTGAAGGCAACACTGTGATGTTTCAACACCTGATGCAAAAACGGAA
 GCACATCCAGTGGTCATTAGGACCCCTAACATCTTCCATTTATGATCTCACAGAAATGACTCCTGGGGT
 GAGGACTGTCTCTTCTGGAGCTTGTGCTTCTCCAAGAAGATAGAGGCTCGTCAGATTCTAGAACAAA
 CCCCTGTGAAGGAGCTGGTGAGCCTGAAGTGAAGAAAATAGGACAACCTATTTCTGCCTCCTGGGTAT
 GCTGTACATCTCTACATGATCTGCTTACCACATGCTGTGTTTACC GCCCCTCAAGTCCGTGATGCC
 AACCGTACACATGTTAGAGATAACACCGTCTGGAACAGAAACCACTACAGGAAGCGTATGTGACTTACC
 AGGATAAGGTCCGGCTGGTGGGAGAAGTGTGACAGTCAATGGGGCTGTGTTATTCTACTCATAGAGAT
 CCCAGACATCTTCAGAGTTGGTGCCTCTCGCTACTTTGGACACACAGTCTTTGGGGTCCATTCCATGTC
 ATTATCATCACATATGCCTCCCTTGTGCTACTGATTATGGTGATGAGGCTTACCAGTATGAATGGGGAGG
 TGGTCCCCATATCCATGGCCTTGGTACTGGGCTGGTGTAGTGTACTTCTCCCGAGGATTCCAGAT
 GCTGGGCCCTTCAACATCATGATTGAGAAGATGATTTTTGGAGACCTACTGCGCTTCTGCCGGCTAATG
 GCTATGGTCATCCTCGGATTTGCCTCTGCCTTCTATATCATCTTCCAGACCGAGGATCCAGAGAGTCTGG
 GAGAATTCTCGACTACCCTACAGCAATGTTCCAGCACCTTGGAGCTTCTCCTTACCATCATTGACGGTCC
 GGCCAATTACAGTGTGGATCTACCCTTCATGTACCACCTAACCTATTTTGCTTTTGCCATCATCGCCACA
 CTACTCATGCTCAATTTGTTTATTGCCATGATGGGTGACTACTGCGGAGTGGCCAGGAGAGGGGACG
 AACTCTGGAGAGCACAGGTTGTAGCCACCACAGTGTGCTGGAGAGGAAAATGCCCGTTTCTGTGGCC
 TCGCTCTGGTATCTGTGGTTGCGAATATGGCCTGGGAGACCGCTGGTTCTTACGGGTTGAACACCACCAG
 GAGCAGAATCCGTATCGAGTACTTCGCTATGTGGAAGCTTTCAAATCTTCCAGACAAGGAGGAAAGTACAAG
 AACAACTATCTGAGAAGCAGCCTTCCGGGACTGAGACTGGGACTTTAGCTAGAGGCTCTGTGGTTCTGCA
 AACGCCTCCTTTGTCCAGGACTACATCCCTAAGCAGCAATAGCCACCGTGGATGGGAAATCTCCGTGCA
 AACACCTGGGACATTTGAATCTTGGACAAGACCTTGGTGGGAGACCGGAGAGGAGATCTACCATTCT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2248_e09.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_053787

Insert Size: 2172 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: [NM_053787.2](#), [NP_446239.2](#)

RefSeq Size: 4860 bp

RefSeq ORF: 2172 bp

Locus ID: 116469

UniProt ID: [Q9JIP0](#)

Cytogenetics: 4q23

Gene Summary: mediates calcium uptake; may play a role in calcium transport and reabsorption in the distal nephron [RGD, Feb 2006]