

Product datasheet for **RN214986**

Trpv4 (NM_023970) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv4 (NM_023970) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpv4
Synonyms:	Otrpc4; Vroac
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN214986 representing NM_023970
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGATCCTGGTGATGGCCCCGTGCAGCGCCTGGGGATGTGGCTGAGCCCCCTGGAGACGAGAGTG
 GCACTTCTGGTGGGAGGCCTTCCCCCTCTTCCCTGGCCAACCTGTTTGAGGGAGAGGAAGGCTCCTC
 TTCTCTTTACCAGTGGATGCTAGCCGCCCTGCTGGCCCCGGGATGGACGTCCAAAACCTGCGTATGAAG
 TTCAGGGCGCTTCCGCAAGGGGGTTCCCAACCCATTGACCTGCTGGAGTCCACCCTGTATGAGTCTT
 CAGTAGTGCCTGGGCCAAGAAAGCGCCCATGGATTCTGTTGTTGACTATGGCACTTACCGGCACCACCC
 CAGTGACAACAAGAGATGGAGGAGGAAGGTCGTAGAGAAGCAGCCACAGAGCCCCAAAGCTCCCGCCCC
 CAGCCACCCCATCTCAAAGTCTTCAACCGGCCATCTCTTTGACATCGTGTCCCGGGGCTCCACTG
 CCGACTGGACGGACTGCTCTCTACTTGTGACCCACAAGAAGCGCCTGACTGATGAGGAGTTCGGGA
 ACCATCCACAGGGAAGACCTGCCTGCCAAGGCCTTCTGAACTTAAGCAATGGCCGAAACGACACCATC
 CCAAGTGTGCTGGACATTGCGGAACGCACGGGCAACATGCGGGAGTTCATCAACTCGCCCTTCAGAGACA
 TCTACTACCGAGGGCAGACGGCACTGCACATCGCCATTGAACGGCGCTGCAAGCATTACGTGGAGTCTCT
 GGTGGCCAGGGAGCCGATGTGCACGCGCAGGCCGAGGGCGGTTCTTCCAGCCCAAGGATGAGGGTGGC
 TACTTCTACTTTGGGAGCTGCCCTTGTCTTGGCAGCCTGCACCAACCAGCCGACATCGTCAACTACC
 TGACAGAGAACCCTCACAAAGAAAGCCGATATGAGGCGACAGGACTCCAGAGGCAACACGGTGTCCACGC
 GCTGGTGGCCATCGCTGACAACACCCGAGAGAACAAGTTTGTACCAAGATGTATGACCTGTTGCTT
 CTCAAGTGTCTCCGCCTTCCAGACAGCAACCTGGAGACTGTGCTTAACAATGACGGTCTTTCGCCCC
 TCATGATGGCTGCCAAGACTGGCAAGATCGGGTCTTTTCAGACATCATCCGACGGGAGGATGAGATGA
 GGACACACGGCACCTGTCTCGAAAGTTCAGGACTGGGCTACGGGCTGTGTATTCTTCTCTACGAC
 CTCTCCTCCCTGGATACGTGCGGGAGGAAGTGTCCGTGCTGGAGATCCTGGTTTACAACAGCAAGATCG
 AGAACCGCATGAGATGCTGGCTGTGGAGCCATTAACGAACTGCTGAGGGACAAGTGGCGTAAGTTCGG
 GGCCGTGTCTTCTACATCAACGTTGTCTCCTATCTGTGTGCCATGGTCACTTACCCTCACAGCCTAC
 TATCAGCCACTGGAGGGCAGCCACCCTACCCTTACCGTACCACGGTGGACTACCTGAGGCTGGCTGGT
 AGGTCAACAGCTCCTCACAGGAGTCTGTTCTTCTTTACCAGTATCAAAGACTTGTTCATGAAGAAATG
 CCCTGGAGTGAATTCTCTCTTCTCGTGGTGGCTCCTTCCAGTTGCTCTACTTCACTACTCAGTGTGGT
 GTTGTGTCTGCGCGCTCTACCTGGCAGGGATCGAGGCCTATCTGGCTGTGATGGTCTTTCGCCCTGGTCC
 TGGGCTGGATGAATGCCCTTACTTACCCGTTGGGCTGAAGCTGACAGGGACCTACAGCATCATGATTCA
 GAAGATCCTCTTCAAAGATCTCTTCCGCTTCTGCTGGTCTACCTGCTTTTTATGATTGGCTATGCCTCA
 GCTCTGGTCAACCCTCTGAATCCGTGCACCAACATGAAGGTCTGTAACGAGGACCAGAGCAACTGCACGG
 TGCCCTCATACCCCGCTGCCGGGACAGCGAGACCTTCAGCGCCTTCTACTGGACCTCTTCAAGCTCAC
 CATCGGCATGGGCGACCTGGAGATGCTGAGCAGCGTAAGTACCCCGTGGTCTTCACTTCTCTGCTGGT
 ACCTACATCATCTCACCTTCGTCTCTGCTGAACATGCTCATCGCCCTCATGGGTGAGACCGTGGGCC
 AGGTGTCCAAGGAGAGCAAGCACATCTGGAAGCTGCAGTGGGCCACCACCATCTGGACATCGAGCGTCC
 CTCCCTGTGTTCTGAGGAAGGCCTCCGCTCCGGAGAGATGGTGACAGTGGGCAAGAGCTCGGATGGC
 ACTCCAGACCGCAGGTGGTGTCTCAGGGTGGACGAGGTGAACTGGTCTCACTGGAACAGAACCTGGGCA
 TCATTAACGAGGACCCCGCAAGAGCGAGATCTACCAGTACTATGGCTTCTCCATACCATGGGGCGCCT
 CCGCAGGGATCGCTGGTCTCAGTGGTGCCTCCGCTGGTGGAGCTGAACAAGAACTCAGGCACAGATGAA
 GTGGTGGTCCCCCTGGATAACCTAGGGAACCCCAACTGTGACGGCCACCAGCAAGGTTATGCTCCCAAGT
 GGAGGGCGGAGGACGCACCCTAG

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1438_a08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_023970

Insert Size:	2616 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	<u>NM_023970.1</u> , <u>NP_076460.1</u>
RefSeq Size:	3211 bp
RefSeq ORF:	2616 bp
Locus ID:	66026
UniProt ID:	<u>Q9ERZ8</u>
Cytogenetics:	12q16
Gene Summary:	a cation-selective channel; activated in response to systemic osmotic pressure [RGD, Feb 2006]