

Product datasheet for **RN212711**

Trpv3 (NM_001025757) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv3 (NM_001025757) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpv3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212711 representing NM_001025757
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAAGCCACCCCAAGGAGATGGTGCCCTCATGGGCAAAGAACCCTGCACCTGGCGGGAACCTG
 CTGTGCTGACAGAGAAGAGGCCGGCAGATCTACCCCAACAAGAAGAGTGCACACTTCTCCTGGAGAT
 AGAAGGATTTAGCCCAACCCACTGTTACCAAGACCTCTCCCAATCTTCTCCAAGCCGATGGACTCC
 AACATCCGGCAGTGCCTCTCTGGCAACTGTGATGACATGGACTCTCCTCAGTCTCCTCAGGATGATGTGA
 CAGAGACCCCATCCAATCCCAACAGTCCAAGCGCAAACCTGGCCAAGGAAGAAGAGAGGCAGAAGAAGAA
 GCGGCTGAAGAAGTGCATCTTCGCGGCTGTATCAGAGGGCTGCGTGAGGGAGCTGCGGGAACCTCTGCAG
 GATCTGCAGGAGCTCTGCAGACGGCGCCGGCCTGGATGCGTCTGACTTCTCATGCACAAGCTGCAG
 CCTCAGACACTGGGAAGACCTGCCTGATGAAAGCTTTGCTCAACATCAACCCCAACCAAGAGATCGT
 GCGGATTCGCTTGCCTTCGCTGAGGAGAATGACATCCTGGACAGTTTCAATGCGGAGTACACGGAA
 GAGGCCTACGAAGGGCAGACAGCGCTGAACATTGCCATCGAGCGGCCAGGGAGACATCACAGCAGTGC
 TCATAGCAGCGGGTGTGACGTCAACGCTCACGCCAAGGGGGTCTTCTTCAACCCAAAATACCAGCACGA
 AGGCTTCTATTTTGGTGAGACGCCCTGGCCTTGGCAGCATGTACCAACCAGCCTGAGATCGTGCAGCTG
 CTGATGGAGAATGAGCAGACAGACATCACTTCTCAGGACTCTCGGGAAACAACATCCTGCATGCGCTGG
 TGACAGTGGCTGAGGACTTCAAGACCCAGAATGACTTTGTTAAGCGCATGTATGACATGATTCTGCTGAG
 GAGTGGCAACTGGGAGCTGGAGACCATGCGCAACAATGACGGTCTCACGCCACTGCAGCTGGCTGCCAAG
 ATGGGCAAGGCTGAGATCCTGAAGTATATCCTTGGCCGTGAGATCAAGGAGAAGCCTCTCCGGAGCTGT
 CCAGAAAGTTCACGGACTGGGCATATGGCCCTGTGTCTCCTCACTCTATGACCTCACCAACGTTGGAC
 GACGACAGATAACTCTGTGCTGGAGATCATCGTCTACAACCAACATTGACAACCGGCATGAGGTGCTG
 ACCCTGGAGCCTCTGCATACACTGCTGCATATGAAGTGAAGAAATTTGCCAAGTACATGTTCTTCTTGT
 CCTTCTGCTTCTATTTCTCCTACAACATCACCCCTGACCCTCGTCTCTTACTACCGTCTCGGGAAGGTGA
 GGCTCTCCACACCCCTTGGCCCTGACACATAAGATGAGTTGGCTTACGCTCCTAGGGAGGATGTTTGT
 CTTATCTGGCCATGTGCATCTCTGTGAAAGAGGGTATTGCCATTTTCTGCTGAGACCCTCTGATCTTC
 AGTCCATCCTGTCAGATGCTGGTTTCATTTTGAATTTTGGCCAAGCTGTGCTGTGATACTGTCTGT
 ATTCTTGTACTTGTTCCTACAAGAATACCTTGCTGCCTCGTCTGGCCATGGCCCTGGGCTGGGCG
 AACATGCTCTACTACACGAGAGGCTTCCAGTCTATGGGCATGTACAGCGTCATGATCCAGAAGGTCATTT
 TGCACGATGTTCTCAAGTCTTGTGTTTACATCCTGTTCTTACTTGGATTTGGAGTAGCGCTGGCCTC
 ACTGATTGAGAAATGCTCCAAGGACAAAAGGACTGCAGCTCCTACGGCAGCTTCAGCGATGCGGTGCTG
 GAGCTCTTCAAGCTCACCATAGGCCTGGGCGCCCTGAACATCCAGCAGAACTCCACCTACCCCATCCTCT
 TTCTCTTCTACTCATACCTATGTCACTCCTCACCTTTGTCTGCTCCTCAACATGCTCATCGCCCTGAT
 GGGGAGACGGCGGAGAAGCTCTCAAAGAGAGTGAAGCGGATCTGGCGCTTGCAGAGAGCCAGGACCACC
 TTGGAGTTTGAGAAAATGTTACCAGAATGGCTGAGAAGCAGATCCGCATGGGAGAGCTGTGCAAAGTAG
 CTGATGAGGACTTCCGGCTGTGCTGAGGATCAACGAGGTGAAGTGGACTGAATGGAAAACACACGTTGC
 TTTCTCAATGAAGATCCAGGGCCATAAAGACGGACAGCAGATTGCAACAAAATCAAGATTCTTCCAGG
 AGCAATAGCAAAAACCCCTCTATGCATTTGATGAATTAGATGAATCCAGAAAACATCAGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1477_e05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001025757

Insert Size: 2376 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_001025757.1](#), [NP_001020928.1](#)

RefSeq Size: 3010 bp

RefSeq ORF: 2376 bp

Locus ID: 497948

Cytogenetics: 10q24