

Product datasheet for **MC221667**

Trpv3 (NM_145099) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpv3 (NM_145099) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpv3
Synonyms:	1110036I10Rik; AI644701; Nh; VRL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221667 representing NM_145099
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATGCCCACTCCAAGGAGATGGCGCCCTCATGGCAAAGAACCACGGCACCTGGCGGGAACCTG
 TTGTAAGTACAGAGAAGAGGCCAGCAGATCTACCCCAACAAGAAGAGTGCACACTTCTCCTGGAGAT
 AGAAGGATTTAGCCCAACCCACGGTCAACAAGACCTCTCCACCCATCTTCTCCAAGCCGATGGACTCC
 AACATCCGGCAGTGCCTCTTGCAACTGTGATGACATGGACTCTCCCAAGTCTCCTCAGGATGATGTGA
 CAGAGACCCCAATCCAATCCAACAGTCCGAGCGCAAACCTGGCCAAGGAAGAAGAGAGGCAGAAGAAGAA
 GCGACTGAAGAAGCGCATCTTCGCGGCTGTGTCCGAGGGCTGCGTGGAGGAGCTGCGGGAACCTACAG
 GATCTGCAGGACCTCTGCAGGAGCGCCGCGCCTGGATGTGCCTGACTTCTCATGCACAAGCTGACAG
 CCTCAGACACCGGAAGACCTGCCTGATGAAGGCTTTGCTCAACATCAATCCAACACCAAGAGATCGT
 GCGGATTCGCTTGCCTTCGCTGAGGAGAACGACATCCTGGACAGTTTCAACGCTGAGTACACGGAA
 GAGGCCTATGAAGGGCAGACAGCGCTGAACATCGCCATCGAGCGCGCCAGGGAGACATCACAGCAGTGC
 TTATAGCAGCGGGTGTGACGTCAATGCTCACGCCAAGGGGGTCTTCTTCAACCCCAAATACCAGCATGA
 AGGCTTCTATTTGGCGAGACCCCTGGCTTTGGCAGCGTGTACTAACCAGCCTGAGATTGTGCAGCTG
 CTGATGGAGAATGAGCAGACAGACATCACTTCCAGGATCCCGGGGAAACAACATCCTGCACGCGCTGG
 TGACAGTGGCTGAGGACTTCAAGACTCAGAATGACTTCGTTAAGCGCATGTATGACATGATCCTGCTGAG
 GAGTGGCAACTGGGAGCTGGAGACCATGCGCAACAACGATGGGCTCACACCACTGCAGCTGGCTGCCAAG
 ATGGGCAAGGCTGAGATCCTGAAGTACATCCTCAGCCGCGAGATCAAGGAGAAGCCTCTCCGGAGCTTGT
 CCAGGAAGTTCAGGACTGGGCGTATGGGCTGTGTCTCATCTCATGACCTCACCAATGATAGACAC
 AACGACGGATAACTCTGTGCTGAAATCATCGTCTACAACCAACATTGATAACCGACATGAGATGCTG
 ACCCTGGAGCCTCTGCATACGCTGTACACACGAAATGGAAGAAATTTGCCAAGTACATGTTCTTCTTGT
 CCTTCTGCTTCTATTTCTTACAACATCACCCCTGACCCTTGTCTTACTACCCTCCTCGGGAAGATGA
 GGATCTCCACACCCCTTGGCCCTGACACACAAAATGAGTTGGCTTACGCTCCTAGGGAGGATGTTTGT
 CTCATCTGGCCACATGCATCTCTGTGAAAGAAGGCATTGCCATTTTCTGCTGAGACCCCTCCGATCTC
 AGTCCATCCTGTCAGATGCTGGTTTCACTTTGTCTTTTTTGTCCAAGCTGTACTTGTGATACTGTCTGT
 ATTCTTGTACTTGTGGCTACAAGAATACCTCGCTGCCTCGTGTGGCCATGGCCCTGGGCTGGGCG
 AACATGCTCTACTACAGAGAGGCTTCCAGTCTATGGGCATGTACAGCGTCATGATCCAGAGGTCATTT
 TGCATGATGTCCTCAAGTCTTGTGTTTACATCCTGTTCTTACTTGGATTTGGAGTAGCGCTGGCCTC
 ACTGATTGAGAAGTGTCCAAGGACAAAAGGACTGCAGTTCTATGGCAGCTTCAGCGACGCGGTGCTG
 GAGCTCTTCAAGCTCACCATAGGCTGGGCGACCTGAACATCCAGCAGAACTCCACCTACCCCATCTCT
 TTCTTCTTCTACTCATACCTATGTCACTCACCTTCGCTCCTCCTCAACATGCTCATTGCCCTGAT
 GGGGAGACGGTGGAGAAGCTCTCAAAGAAAGTGAAGCGGATCTGGCGCTTGCAGAGAGCCAGGACCATC
 TTGGAGTTTGAGAAAATGTTACCAGAATGGCTGAGAAGCAGATCCGCATGGGCGAGCTGTGCAAAGTAG
 CAGATGAGGACTTCCGGCTGTGTCTGCGGATCAACGAGGTGAAGTGGACGGAATGGAAAACACACGTGTC
 CTTCTTAATGAAGACCCGGGACCCATAAGACGGACAGCAGATTTAAACAAGATTCAAGATTCTTCCAGG
 AGCAATAGCAAACCACCTCTATGCGTTTGTGATGAATTAGATGAATCCAGAAACGTCGGTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3798_a01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_145099

Insert Size: 2376 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_145099.2 , NP_659567.2
RefSeq Size:	2440 bp
RefSeq ORF:	2376 bp
Locus ID:	246788
UniProt ID:	Q8K424
Cytogenetics:	11 45.25 cM
Gene Summary:	Putative receptor-activated non-selective calcium permeant cation channel. It is activated by innocuous (warm) temperatures and shows an increased response at noxious temperatures greater than 39 degrees Celsius. Activation exhibits an outward rectification. May associate with TRPV1 and may modulate its activity. Is a negative regulator of hair growth and cycling: TRPV3-coupled signaling suppresses keratinocyte proliferation in hair follicles and induces apoptosis and premature hair follicle regression (catagen) (By similarity).[UniProtKB/Swiss-Prot Function]