

Product datasheet for RN211342

Trpm8 (NM_134371) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm8 (NM_134371) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpm8
Synonyms:	CMR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211342 representing NM_134371 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTTCGAGGGAGCCAGGCTCAGCATGAGGAGCCGCAGAAATGGAAGTCTGGGCAGCACCCGGACCC
TGTACTCCAGCGTGTCTCGGAGCACAGACGTGTCTACAGTGAAAGTGATTTGGTGAATTTTATTCAGGC
AAATTTAAAAACGAGAATGCGTCTTCTTTACCAGAGACTCCAAGGCCATGGAGAGCATATGCAAGTGT
GGTTATGCCAGAGCCAGCATATCGAAGGCACCCAGATCAACAAAATGAGAAGTGAAGTACAAAAAC
ACACCAAGGAGTTTCCAACAGACGCCTTTGGGGACATTGATTTGAGACTCTGGGAAGAAAGGCAAGTA
CTTACGCTTATCCTGTGACACGGACTCTGAAACCTCTACGAAGTCTGACCCAGCACTGGCACCTCAA
ACACCAACCTGGTCATCTCAGTGACGGGTGGAGCCAAAACTTTGCTTTGAAGCCACGCATGCGCAAAA
TCTTCAGTCGGCTGATCTACATCGCTCAGTCTAAAGGGGCATGGATTCTTACCGGAGGCACTCATTACGG
TCTGATGAAGTACATAGGTGAAGTGGTGAAGGATAACACCATCAGCAGGAAGTCCGGAAGAGAATCATCGT
GCCATTGGCATAGCGGCTGGGGCATGGTCTCCAACAGGGACACCCTCATCAGGAATTGTGATGATGAGG
GACATTTTTCAGCTCAATATATCATGGATGACTTCATGAGAGATCCTCTACATCCTGGACAACAATCA
TACCCACCTGCTGCTTGTGGACAACGGTGTGATGGACACCCACGGTGAAGCCAACTTCGGAATCAG
CTGGGAAGTACATCTCTGAGCGCACCAAGTCAAGATTCCTCAACTATGGTGGTAAGTCCCATCGTGTGT
TTGCCAGGGAGGTGGAAGAGAAACTTTGAAAGCCATCAACACCTCTGTCAAAGTAAGATCCCCTGTGT
GGTGGTGAAGGCTCGGGCAGATTGCCGATGTGATTGCCAGCCTGGTGGAGGTAGAGGATGTTTTAACCC
TCTTCCATGGTCAAAGAGAAGCTGGTACGGTTTTTACCCGCACTGTGTCCCGGCTGCCTGAAGAGGAGA
TTGAGAGCTGGATCAAATGGCTCAAAGAAATCTTGAGAGCCCCACCTCCTCACGGTCAAGATGGA
GGAGGCTGGAGACGAGGTCGTGAGCAGCGCCATTTCTACGCGCTGTACAAAGCCTTCAGCACTAATGAA
CAAGACAAGGACAACCTGGAACGGACAGCTGAAGCTTCTGCTGGAGTGAACCAACTGGACCTTGCCAGTG
ATGAGATCTTACCAATGACCGCGCTGGGAGTCTGCCGACCTCAGGAAGTCAATGTTACGGCCCTCAT
AAAGGACAGGCCAAGTTTGTCCGCTTCTCTGGAGAATGGCCTCAACCTGCAGAAGTCTCACCAT



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GAAGTCTCACGGAGCTTCTCCACCCACTTCAGCACCCCTAGTGTACCGAACCTGCAGATCGCCAAGA
 ACTCCTACAACGATGCACTCCTTACCTTTGTCTGGAAGTTGGTGGCAAACCTCCGTAGAAGCTTCTGGAA
 AGAGGACAGAAGCAGCAGGGAGGACTTGGATGTGGAACCCATGATGCATCTCTACCACCCGGCACCCC
 CTGCAGGCTCTTTTCATCTGGGCCATTCTTCAAGAAAGAAGGAACCTCCAAGGTATCTGGGAGCAAA
 CCAAAGGCTGTACTCTGGCCGCTTGGGGGCCAGCAAACCTCTGAAGACCCTGGCCAAAGTTAAGAATGA
 TATCAACGCAGCTGGGAATCTGAGGAACCTGGCTAATGAGTATGAGACCCGAGCAGTGGAGTTGTTCACT
 GAGTGTACACGCAGTGTGAGGACTTGGCAGAACAGCTACTGGTCTACTCTTGTGAAGCCTGGGGTGGGA
 GCAACTGTCTGGAGCTGGCGGTGGAGGCTACGGACCAGCATTTCATTGCTCAGCCTGGGGTCCAGAATTT
 CCTTTCTAAGCAATGGTATGGAGAGATTTCCCGAGACACGAAGAACTGGAAGATTATCCTGTGTCTGTTT
 ATCATCCCCCTGGTGGGCTGTGGCCTCGTATCGTTTAGGAAGAAGCCATTGACAAGCACAAGAAGCTGC
 TCTGGTACTACGTGGCCTTCTTCACTTCGCCCTTCGTGGTCTTCTCCTGGAACGTGGTCTTCTACATCGC
 CTTCTCTGCTGTTTGCATGTGTGCTCATGGACTTCCACTCGGTGCCACACACCCCGAGCTGATC
 CTCTATGCCCTGGTCTTCGTCTCTTCTGTGATGAAGTGAAGCAGTGGTACATGAACGGAGTGAATTATT
 TCACCGACCTATGGAACGTTATGGACACACTGGGACTTTTCTACTTCATAGCGGGTATTGTATTCCGGCT
 TCACTCTTCAAATAAAAGCTCTTTGTACTCCGGCGGAGTCATTTTCTGTCTGGATTACATTATATCACT
 CTAAGGCTCATCCACATTTTACCGTGAGCAGGAACCTGGGACCCAAGATTATAATGCTGCAGCGGATGC
 TCATCGACGTTTTCTTCTTGTGTTTCTTTGCTGTGTGGATGGTGGCCTTCGGCGTAGCCAGACAGGG
 GATCCTTAGGCAAAATGAACAGCGCTGGAGGTGGATCTCCGCTCTGTACTATGAGCCCTACCTGGCC
 ATGTTTGGCCAGGTGCCAGTGTGTGGACAGTACCACATATGACTTCTCCCACTGCACCTTCTCGGGAA
 ATGAGTCCAAGCCACTGTGCGTGGAGCTAGATGAATAACAATCTGCCCGCTTCCCTGAGTGGATCACCAT
 CCCACTAGTGTGCATCTACATGCTCTCCACCAACATCCTTCTGGTCAATCTCCTGGTCCCATGTTTGGC
 TACACGGTGGGCATTGTGCAGGAGAACAACGATCAGGTCTGGAAGTTCAGCGGTACTTCTGTTGTCAGG
 AGTACTGCAACCGCCTCAACATCCCCTCCCCTCGTCTTCTGCTTACTTCTACATGGTGGTCAAGAA
 GTGTTTCAAATGCTGCTGTAAGAGAAGAACAACAGGAGTCTTCTGCCTGCTGTTTCAGAAATGAGGACAAC
 GAGACTTTGGCGTGGGAGGGCGTCATGAAGGAGAATTACCTTGTCAAGATCAACACGAAGGCCAACGACA
 ACGCAGAGGAGATGAGGCATCGTTTCAGACAACCTGGACACAAAGCTTAATGATCTCAAAGTCTTCTGAA
 AGAGATTGCTAATAAAATCAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1732_e07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_134371

Insert Size: 3315 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:	<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_134371.2, NP_599198.2</u>
RefSeq Size:	4184 bp
RefSeq ORF:	3315 bp
Locus ID:	171384
UniProt ID:	<u>Q8R455</u>
Cytogenetics:	9q35
Gene Summary:	excitatory ion channel; may be involved in transducing cold stimuli [RGD, Feb 2006]