

## Product datasheet for **RN200069**

### Trpm1 (NM\_001037734) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm1 (NM_001037734) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200069 representing NM_001037734 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTCCATGAGGAAAATGAGCAGCTCCTTCAAGCGTGGTTCAATCAAGAGCTCCACATCAGGGTCCC  
AGAAGGGTCAGAAAGCATGGATAGAGAAGACGTTTTGCAAAGGGGAATGCATCTTCGTGATTCTAGTAC  
AAAAGACCCGAACAGATGTTGCTGTGGTCAGCTCACTAACCAGCACATCCCCCGCTGCCGAGTGTGACT  
CCCAGCTCAACAGCAGAGGACACCAAGCAAGGGGACGCACAGTCCGGGAAATGGTCTGTCCAGCAAACACA  
CCAGAGCTACCCAACAGACTCCTATGGATTCTTGAATCCAGGGTGGGGCTACTCCAATAAAGCCAT  
GTATATCCGAGTCTCCTACGACACCAAGCCAGATTCTCTGCTCCATCTCATGGTGAAGGACTGGCAGCTG  
GAGCTCCCAAGCTCTTGATATCTGTGCATGGAGGCTCCAGAGCTTTGAGATGCAGCCCAAGCTGAAGC  
AGGTCTTTGGAAAGGTCTGATCAAGGCTGCCATGACCACAGGGGCATGGATCTTCACCGGGGAGTGAG  
CACTGGTGTGTCAGCCATGTGGGGATGCCTTGAAGGACCACTCCTCCAAGTCCAGAGGCCGGCTCTGT  
GCTATCGGAATCGCTCCCTGGGGCATGGTGGAGAACAAGGAAGATCTGGTTGGAAAGATGTAACGAGAG  
TCTACCAGACCATGTCCAACCTCTGAGCAAGCTCTCCGTGCTCAACAATTCTCACACTCACTTCATCTT  
GGCTGACAATGGACCCCTTGCAAGTATGGTGCCGAGGTGAAGCTTCGAAGACAAGTGGAAAAACACATC  
TCCCTGCAGAAGATCAACACGAGGCTGGGCCAGGGTGTACCTGTGCTGGGTCTCGTGGTGAAGGTGGAC  
CTAATGTGGTTTCTATCGTCCTGGAGTATCTCAGAGAAGACCCTCCTGTCCCTGTGGTGGTTTGTGACGG  
CAGTGGACGCGCCTCCGACATTTTGTCTTTTGACACAAAATACTGCGACGAAGGAGGGGTATAAACGAG  
TCCCTGCGGGACCACTTCTAGTTACCATTAGAAAACATTTAATTACAGCAAGTCCCAGTCCGATCAGC  
TGTTTGAATTATCATGGAGTGCATGAAGAAGAAAGAACTCGTCACTGTGTTTCCGGATGGGCTCTGAGGG  
TCAGCAAGATGTTGAGATGGCAATTTAACTGCCTTGCTCAAAGGAACCAACGTGTCAGCTCCAGATCAG  
CTGAGCTTGGCACTGGCTTGGAAACCGCTGGACATAGCACGAAGCCAGATCTTCGTCTTTGGCCCACT  
GGCCGCCACTGGGAAGCCTGGCCCTCCTGTGGACACCAAGTCCAGAGAAGGAGAAGAAGCCACCCAC  
AGCCACCACCAAGGGAAGAGGAAAAGGGAAAGGCAAGAAGAAAGGCAAAGTGAAGAGGAGGTGGAGGAA  
GAAACAGACCCCGGAAGATCGAGCTGCTGAAGTGGGTGAACGCCCTGGAGCAAGCCATGCTGGACGCTC  
TTGCTTAGACCGGGTTGACTTTGTGAAGCTCCTGATTGAAAACGGAGTGAACATGCAGCATTTCTCAC



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TATCCCGAGGCTGGAGGAGCTTTACAACACTAGACTGGGCCACCAAACACCCCTTCATCTGCTGGTGGCGG  
 GATGTGAAGAAGAGCAACCTTCCACCTGACTACCACATCAGCCTCATCGATATAGGACTGGTGTGGAGT  
 ACCTCATGGGAGGTGCCTACCGTGCAACTACACTCGGAAAAGCTTCCGGACTCTCTACAACAATTGTT  
 TGGCCCTAAGAGGCCAAAAGCACTTAAACTCCTGGGAATGGAAGATGATGAGCCCCAGCCAAGGGGAAG  
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 GCTCAAGAACTGGAGCAACTCGACCTGCCTTAAGCTGGCCGTGGCGGCCAAGCACAGGGACTTTATCGCT  
 CACACCTGCAGCCAGATGCTGCTGACAGACATGTGGATGGGAAGGCTTCGCATGAGGAAGAACCCTGGCC  
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 AGAAAAACAAAGTGTGGCTCCAAGAGTACTGGAACATCACAGACCTTGTGGCCATTTCCATGTTTCATGGT  
 TGGGGCCATCCTTCGCCTCCAGAACCAGCCATACATGGGCTATGGCCGGTTCATCTACTGTGTGGATATC  
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 CCATGGAATCAACCCTCCTTGTGGTGAATCTCTATGATGAGGAAGCAAGAGGCTCCCTCCCTGCAT  
 CCCTGGTGCCTGGCTCACACCTGCCCTCATGGCCTGTTATCTCCTGGTGGCAATATCCTGCTGGTCAAC  
 CTGCTGATTGCTGTTTTCAACAATACCTTCTTTGAAGTCAAGTCAATATCCAATCAAGTGTGGAAGTTCC  
 AGCGGTACCAACTGATCATGACATTTACGACAGGCCGGTCTGCCCCCGCCAATGATCATCTTAAGCCA  
 CATCTACATCATCGTTATGCGTCTCAGTGGTGCAGAAAAAGAGAGAAGGGGACCAGGAGGAGCGG  
 GATCGTGGGTGAAGCTGTTCTCAGCGACGAGGAAGTAAAAACTGCATGAGTTTGGAGGAGCAGTGGC  
 TGCAGGAGCACTCCGAGAAAAGGAGGATGAGCAGCAGTGTCCAGCGATGAGCGCATCCGGTTACAAG  
 CGAGAGAGTTGAAAATATGTCAATGAGGCTGGAGGAAATCAACGAAAGAGAAAATTTTCATGAAGGCTCT  
 CTGAGACTGTGACCTTCGGCTCTCAGCTGGAGGAGCTATCTGGCAGGATGGTGGGCGCTCTGGAGA  
 ATCTGGCAGGCATCGACAGGTCTGATCTGATCCAGGCTCGATCAAGAGCATCCTCAGAATGTGAGGCCAC  
 CTACCTGCTGCGGAGAGCAGTATCAACAGCGCCGATGGCTACAGCATGTACCGCTACCATTTCATGGC  
 GAGGAGCTTCTGTTTGGAGAGCCCGCCCTCCTCACTTCGCAGGGACAGTGTCCGGAAAAAACCTGCT  
 CCTTCCGCGTGAAGGAAGAGGATGTAACCACACCTGGACCAGCCAAGTAGCCTGCACCACACCCAGG  
 CCCCAGCCCGCTGCCACGCCAGGTGCGAGCCGGCTTGCCTTGTGTTCCCTTGGAGCACAGAGTTGAGA  
 CCTGGACTGGATCCTGGTATCTCTGCGGTGAGCTTGTCCGCGGCAGATTTCAAGAGCCCGAAGTTG  
 CACCAAGTCTGAACACGGCGAATGTTGCAAGCACTCAGCTGACCGTCAAAGCACTGTTTCCACCCACT  
 GCGGGAGAGCAAACTCGCGCTACTACCCCGGAGACCTCAACACCTACAAAACAATGAAGTCCAGAAGC  
 TTCGTCTATTCTGAAGGAAGAAAATTTGTCGAGGCTTGTAGCAACTGGGGTGGCAGTACAGTTCAATCA  
 TGGACCAAACATGGAACCTCGGCAGAATGGAGATGTCAAGTTCAAAGGATCACACGCTCCCGCAGCACAGA  
 CATCCCGTACATTGTGTCTGAAGCAGCCTCCCAAGATGAGTTTGGAGATGAGCACAGAGAATCTCTTCTG  
 GCTCCTCAGATCTCCGTTACGCCCTCACGGTCTCTGACAGGCCGAAAAGGAAAATTTGCTGTCTGTGA  
 AGCCACACCAGACTTTAGGATCCCTGCCTACGGTCAAGAAAGTTTACATGGTATCCTAGGAGTGCCAA  
 ACCCTCTCTAGCAAATTAGACAGGGCGGACATGCCAGCAGCACCAGCAACTTAGCAGTTATGTCAGAC  
 GCTCCAGAGGGACAAAACACCCAGCAGGAGAAAGGAAACCCGAAACTGAATGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

<b>ACCN:</b>	NM_001037734
<b>Insert Size:</b>	4887 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001037734.1</a></u> , <u><a href="#">NP_001032823.1</a></u>
<b>RefSeq Size:</b>	5030 bp
<b>RefSeq ORF:</b>	4887 bp
<b>Locus ID:</b>	361586
<b>UniProt ID:</b>	<u><a href="#">Q2WEA5</a></u>
<b>Cytogenetics:</b>	1q22
<b>Gene Summary:</b>	<p>Calcium channel which may play a role in metastasis suppression. May act as a spontaneously active, calcium-permeable plasma membrane channel (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>