

## Product datasheet for RN217685

### Trpm3 (NM\_001191562) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm3 (NM_001191562) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpm3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217685 representing NM_001191562 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGGCAAGAAGTGGAGGGACGCGGGCGAGATGGAGCGAGGCTGCTCTGATCGCGAGGGCAGCGCGGAGA  
GCCGCGGCGCAGCCGCAGCGCCAGCCGGGGCAGGTTTGCCGAGTCGTGGAAAAGGTTAAGTTCCAAGCA  
GGGGTCCACCAAGCGCTCGGGACTGCCAGCACAGCAGACACCGGCTCAGAAATCCTGGATTGAAAGAGCA  
TTTTATAAAAGAGAATGTGTTACATCATACCCAGCACCAAAGACCCCATAGGTGTTGCTGTGGCGCC  
TGATAGCCAGCATGTCGGACTCACTCCAGTATCTCTGTGCTTCAAGAAATGAGAGTCCGCT  
CTCCCGAAATGACATCCAGTCTGAGAAGTGGTCTATCAGCAAACACACTCAGCTCAGCCCAACGGATGCT  
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AAAGCAGCCATGACAACCTGGAGCCTGGATCTTCACTGGAGGGTCAACACAGGTGTCATCCGTATGTGG  
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GAATACCTTCGAGACACCCCTCCTGTACCAGTCGTGGTCTGCGATGGCAGTGGACGGGCATCCGACATTC  
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GACAATACAGAAGACCTTACATACACCCGACCCAAGCCAGCACCTGTTATCATCTCATGGAATGC  
ATGAAGAAGAAGGAATTGATCACAGTGTTCGAATGGGATCAGAAGGCCACCAGGACATTGATTTAGCTA  
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CAGAGTTGACATCGCTCGCAGCCAGATCTTTATTTACGGGCGAGCTGGCCGGTAGGGTCCCTGGAGCAA  
GCCATGTGGATGCCCTAGTCTCGGACAGAGTGGACTTTGTGAAATTACTCATAGAAAACCGAGTAAGCA  
TGCACCGTTTTCTACCATCTCCAGACTAGAGGAAGTGTACAATACGAGACATGGGCCCTCAAATACATT



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GTACCACTTGGTCAGGGATGTCAAAAAGGGAAACCTGCCCCGGACTACAGAATCAGCCTGATAGACATT  
 GGCCTGGTATCGAGTACCTGATGGGTGGGGCTTACCGCTGCAACTACACACGCAAGCGCTTTCGGACCC  
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 CTTGAGGAGAGGAAGAAAGACAACCTAAGAAACGTGAGGAAGAGGTGGACATAGACTTGGATGACCCTGAG  
 ATCAACCACTTCCCATCCCTTTCCATGAGCTGATGGTGTGGGCTGTCTCATGAAGAGGCAGAAGATGG  
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 CTCCTTATTGCTGTCTTCAACAATACATTTTTTGGAGTCAAGTCGATATCCAACCAAGTATGAAATTTT  
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 AGGAATATTTAGAGAGAAGGATGACCGCTTCAATTCATCCAATGATGAGAGGATACGGGTTACGTCAGA  
 AAGGGTGGAGAACATGTCCATGAGGCTGGAGGAAGTCAATGAGAGAGAACATTCCATGAAGGCTTCACTC  
 CAGACTGTGGACATCCGGCTAGCACAGCTGGAGGATCTCATCGGGCGCATGGCCACTGCCCTGGAGCGCC  
 TAACAGGTCTGGAGCGGGCAGAGTCTAACAAAATCCGCTCAAGGACCTCCTCAGACTGCACAGACGCAGC  
 CTACATCGTCCGCCAGAGCAGCTTCAACAGTCAGGAAGGGAAACACCTTCAAACCTTCAAGAGAGTATAGAC  
 CCTGCAGGTGAGGAGACCATGTCCCAACTTCTCCAACCTTAAATGCCCGGTATGCGAAGCCATTCTTTCT  
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 CTTACACCGTGTACTAGCTCCCACTCAGTAGCCAAGGAGCCCAAAGCTCCTGCAGCCCTGCAAACACC  
 TTGGCCATTGTTCTGATCCAGAAGACCATCGTCATGCATAGACATCTATGCTCTGCCATGGATGAGC  
 TCCACTGTGATATAGACCCTCTGGATAATTCCATGAACATCCTTGGGCTGGGCGAGCCAAGCTTTTCAGC  
 TCTAGCACCTTCCACAGCCCTTCAAGCAGTGCCATGCAACCTTGCACCTACAGACCGACCTCCAAGC  
 AGGAGCATTGATTTTGAAGACCTCACCTCCATGGACACTAGATCTTTTTTCTCAGACTATACCCACCTCC  
 CAGAATGCCAAAACCCCTGGGACACAGACCCTCCAATGTACCATACCATCGAGCGTTCCAAGAGTAGCCG  
 CTACCTAGCCACTACACCCTTCTTCTGGAAAGAGGCCCCATTGTAATAATCCCATAGCTTTATGTTTTCT  
 CCTTCAAGGAGTTACTACGCCAACTTTGGGGTGGCCGTGAAAACAGCAGAATACACAAGTATTACAGACT  
 GTATCGACACAAGATGTGCAATGCCCCCAAGCAATAGCTGACAGAGCCACCTTCCCCGGAGGTCTCGG  
 AGACAAAGTGAAGATTTATCTTGTGCCACCCTGAGCGAGAAGCAGAGCTGAGCCACCTAGCTCTGAC  
 AGTGAGGAAAATGAGGCCAGAGGCCGAGAGCTGCCAATCCGATATCCTCTCAGGAGACTGAAAATGCAG  
 ACAGAACCCTATCCAACAACATCACAGTTCCTCAAGATAGAGCGGCCAACAGCTACTCGGACAGAGGAGCC  
 AAGCGCGCCATATGCACATACCAGAAAAGAGCTTCTCCATCAGTGACAAGCTTGATAGACAGAGGAACACA  
 GCAAGCCTCCGAAATCCCTTCCAGAGAAGTAAGTCTTCAAGCCGAGGGCCGAGGGGACAGCGTATCCA  
 TGAGAAGACTGTCTAGAACATCGGCTTTTCATAGCTTTGAGAGCAAGCACAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001191562
<b>Insert Size:</b>	5166 bp
<b>OTI Disclaimer:</b>	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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
<b>OTI Annotation:</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). Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001191562.1, NP_001178491.1</u>
<b>RefSeq Size:</b>	6740 bp
<b>RefSeq ORF:</b>	5166 bp
<b>Locus ID:</b>	309407
<b>Cytogenetics:</b>	1q51