

## Product datasheet for **MC221756**

### Trpc1 (NM\_011643) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc1 (NM_011643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpc1
Synonyms:	Mtrp1; Trp1; Trrp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221756 representing NM\_011643  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGGGGGCCCCGCTCCTGCTCCTGGCCCTGCCCCGTCGTTGGCCGCGATGATGGCGCCCTGTACCCGA  
 GCACGGACCTCTCGGGCGTCTCCTCCTCCTCCCTGCCTTCTCCCATCCTCCTCGTCGCCCAACGAAGT  
 GATGGCGCTGAAGGATGTGCGAGAGGTGAAGGAGGAGAACACCTTGAATGAGAAGCTTTTCTTGCTGGCG  
 TGCGACAAGGGTACTATTATATGGTTAAAAAGATTTTGGAGGAAAAACAGTTTCAAGTACTTGAACATAA  
 ATTGCGTAGATGTGCTTGGGAGAAATGCTGTTACCATAACTATTGAAAACGAAAGCTTGGACATACTGCA  
 GCTGCTTTTGGACTACGGTTGTGAGTCCGAGATGCACCTTTTGGTGGCAATCGACTCTGAAGTAGTGGGA  
 GCTGTTGATATACTACTTAATCATCGGCCAAAACGATCATCAAGACCAACCATTGAAAACCTTATGGAAC  
 GAATTCAGAATCCAGAATATTCAACAACGATGGATGTCGCACCTGTTATTTTAGCTGCTCATCGTAACAA  
 CTATGAAATCCTTACAATGCTTTTAAAGCAGGATGTGTCTTTGCCAAGCCCCATGCTGTTGGCTGTGAA  
 TGCACACTGTGTTCTGCAAAAAACAAGAAGGACAGCCTCAGACATTCCAGGTTTCGTTCTGATATCTATA  
 GATGTCTGGCCAGTCCAGCTCTGATAATGTTAACAGAGGAAGATCCAATTCGAGAGCGTTTGAACCTTAG  
 TGCTGACTTAAAGGAACTCAGCCTTGTGGAGGTGGAATTCAGGAATGATTATGAAGAGCTAGCCCGTCAG  
 TGCAAAATGTTTGTAAAGATTTGCTCGCACAAGCCCGGAATTCGTTGAAGTGAAGTTATCCTGAACC  
 ATACATCTAGCGATGAGCCTCTTGACAAAACGAGGACTACTAGAAGAAAGAATGAACCTAAGTCGCTGAA  
 ACTTGTATCAATAAACCAGAAGGAGTTTGTCTCCAGTCAAATGCCAGCAGTTCTGAACACGGTT  
 TGGTTTGGACAGATGTCAGGTTACCGCCGTAAAGCCACCTGTAAGAAGATAATGACTGTTTGGCAGAACTT  
 GCATCTTCTGGCAGTTTGTCACTATGCTATTTGATAGCTCCCAAATCTCAATTTGGCAGAACTTGA  
 CACACCTTTCATGAAATTCATTATTCATGGAGCATCGTATTTACATTCTTGTGTTACTAAATCTCTAC  
 TCACTTGTCTACAATGAGGACAAGAAAAATACAATGGGACCAGCCCTGGAGAGAATAGATTACCTTCTCA  
 TACTGTGGATTATTGGGATGATTGGTGCAGACATTAAGAGACTGTGGTATGAAGGTTGGAAGACTTCT  
 AGAAGAATCGCGTAACCAGCTCAGCTTTGTTATGAATTCCTTTACTTGGCAACCTTTGCCCTCAAAGTG  
 GTGGCTCACAACAAGTTTCACTTTGCTGACCGGAAGGACTGGGATGCATTCCACCCACGCTTGTAG  
 CAGAAGGGCTTTTGTCTTTGCAAACGTTCTGAGTTACCTTCGACTCTTTTTTATGTATACAACCAGCTC  
 TATTTTGGGCCACTGCAGATTTCAATGGGACAGATGTTACAAGATTTTGGGAAATTTCTGGGAATGTT  
 CTCCTTGTCTGTTTTCCTTACGATTGGACTGACTCAGCTCTATGACAAAAGGTACACTCCAAAGAGC  
 AGAAGGACTGTGTGGGCATCTTCTGCGAACAGCAAAGCAATGACACCTTCCACTCGTTCATTGGCACCTG  
 CTTTGTCTGTTCTGGTACATCTTCTCCTTAGCGCACGTGGCCATCTTTGTCAACCAGTTTACTATGGG  
 GAAGAGCTGCAGTCTTCTGTTGGAGCTGTGATTGTTGGAACCTACAATGTTGTGGTTGTGATTGTGCTGA  
 CGAAGCTGCTCGTGGCGATGCTTACAAGAGCTTCCAGCTGATAGCAAATCATGAGGATAAAGAATGGAA  
 GTTTGTCTGAGCAAAGCTATGGCTTAGCTACTTTGATGACAAATGTACTGCCCCACCTTTCAACATT  
 ATTCCTTCTCAAAGACGATCTGCTATATGATCAGTAGCCTCAGTAAATGGATTTGCTCGCATACCTCGA  
 AAGGCAAGGTCAAACGTCAAACAGTTTAAAGGAGTGGAGAACTTGAAGCAAAGAGAGACGAGAACTA  
 CCAGAAGGTGATGTGCTGCCTGGTGCACCGCTACCTGACGTCCATGCGACAGAAGATGCAGAGCACAGAC  
 CAGGCCACCGTGGAGAACCCTCAATGAACTGCGCCAAGATCTGTCAAATTCGAAATGAAATAAGGGATT  
 TGCTTGGCTTTCGACTTCTAAATATGCTATGTTTTATCCAAGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_011643  
 Insert Size: 2430 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>	<a href="#">NM_011643.3</a> , <a href="#">NP_035773.1</a>
<b>RefSeq Size:</b>	4574 bp
<b>RefSeq ORF:</b>	2430 bp
<b>Locus ID:</b>	22063
<b>UniProt ID:</b>	<a href="#">Q61056</a>
<b>Cytogenetics:</b>	9 50.2 cM
<b>Gene Summary:</b>	<p>Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Seems to be also activated by intracellular calcium store depletion.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>