

## Product datasheet for **MC218201**

### Trpm1 (NM\_018752) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm1 (NM_018752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpm1
Synonyms:	4732499L03Rik; AI606771; Ltrpc1; Mlsl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC218201 representing NM\_018752  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTACATCCGAGTCTCCTACGACACCAAGCCAGATTCCTGCTCCACCTCATGGTGAAGGACTGGCAGC  
 TGGAGCTCCCGAAGCTCTTGATATCTGTGCACGGAGGCCTCCAAAGCTTCGAGATGCAGCCAAACTGAA  
 GCAGGTGTTTGGGAAAGGTCTGATCAAGGCTGCCATGACCACGGGGCGTGGATCTTCACCGGGGTGTG  
 AGCACTGGTGTCTCAGCCATGTGGGGATGCCTTGAAGACCACTCCTCCAAGTCCAGAGGCCGGCTCT  
 GTGCTATAGGAATTGCTCCCTGGGGCATGGTGGAGAACAAGGAAGACCTGATTGGAAAAGATGTAACAAG  
 AGTCTATCAGACCATGTCCAACCCTCTGAGCAAGCTCTCTGTGCTCAACAATCCACACTCACTTCATC  
 TTGGCTGACAACGGCACCCCTGGCAAGTATGGTGTGAGGTGAAGCTTCGAAGACAGCTGGAAAAACACA  
 TCTCCCTGCAGAAGATCAACACAAGGCTGGGCCAGGGTGTACCTGTCGTGGCCCTAGTGGTAGAAGGTGG  
 TCCTAACGTGGTTTCTATCGTCTGGAGTATCTCAAAGAAGACCCTCCTGTCCTGTGGTGGTTTGGCAT  
 GGCACTGGACGTGCCTCTGACATTTTGTCTTCGCACACAAATACTGCGACGAAGGAGGAGTCATAAACG  
 AGTCCCTGCGGGACCAGCTTCTAGTTACCATTAGAAAACATTTAATTACAGCAAGTCCCAGTCTGATCA  
 GCTGTTTGCAATTATCATGGAGTGCATGAAGAAGAAAAGAACTCGTCACTGTGTTTCGGATGGGTTCCGAG  
 GGTGAGCAAGATGTCGAGATGGCAATTTAACTGCCTTGTCAAAGGAACCAACGCATCAGCTCCAGATC  
 AGCTGAGCTTGGCCCTGGCTTGGAAACGGGTGACATAGCGCGAAGCCAGATCTTCGTCTTTGGCCACA  
 CTGGCCGCCACTGGGAAGCCTGGCCCTCCTGTGGACACCAAAGCCACAGAGAAGGAAAAGAACCCACC  
 ACAGCCACCACCAAGGGGAGAGGAAAAGGAAAAGGCAAGAAGAAAGGCAAAAGTGAAGAGGAAAGTGGAGG  
 AAGAGACGGACCCCGGAAGCTTGAGCTGCTCACTGGGTGAATGCCCTGGAGCAAGCCATGCTGGATGC  
 TCTTGTCTAGATCGGGTGGACTTTGTAAGCTCCTGATTGAAAACGGAGTGAACATGCAGCATTTCTCTC  
 ACCATCCCGAGGCTGGAGGAGCTATACAACACCAGACTGGGCCACCAAACACCCTTCATCTGCTGGTGC  
 GGGATGTAAGAAGAGCAACCTTCCACCTGATTACCACATCAGCCTCATTGATATAGGACTGGTGTGGA  
 GTACCTCATGGGCGGTGCCTACCGCTGCAACTACACTCGGAAAAGCTTCCGGACTCTCTACAACAACCTTG  
 TTTGGCCCTAAGAGGGTAGAGCTCAGCAGACACAGTGTCTGTGCTCCAGAGTAACATGTGGTTCC  
 TTGATGTGCTTCCCCAAAAGCCACCTGTGCAGAAATGCAACTCTCACCTCACCTGTCCCAAACCTGACAT  
 CACCCACCTCTGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_018752
- Insert Size:** 1629 bp
- OTI Disclaimer:** 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).
- 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:**

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\\_018752.3](#), [NP\\_061222.3](#)

**RefSeq Size:** 2928 bp

**RefSeq ORF:** 1629 bp

**Locus ID:** 17364

**UniProt ID:** [Q2TV84](#)

**Cytogenetics:** 7 34.61 cM

**Gene Summary:** Cation channel essential for the depolarizing photoresponse of retinal ON bipolar cells. It is part of the GRM6 signaling cascade. Calcium channel which may play a role in metastasis suppression. May act as a spontaneously active, calcium-permeable plasma membrane channel.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (TRPM1-S, PMID: 19966281) encodes the shorter isoform (1).