

Product datasheet for **SC308337**

TRPM3 (NM_206944) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRPM3 (NM_206944) Human Untagged Clone
Tag: Tag Free
Symbol: TRPM3
Synonyms: GON-2; LTRPC3; MLSN2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_206944, the custom clone sequence may differ by one or more nucleotides

```

ATGTATGTGCGAGTATCTTTTGATACAAAACCTGATCTCCTTACACCTGATGACCAAG
GAATGGCAGTTGGAGCTTCCAAGCTTCTCATCTCTGTCCATGGGGCCTGCAGAACTTT
GAACTCCAGCCAAAACCAAGCAAGTCTTTGGGAAAGGGCTCATCAAAGCAGCAATGACA
ACTGGAGCGTGGATATCACTGGAGGGTTAACACAGGTGTTATTCGTATGTTGGCGAT
GCCTTGAAGGATCATGCCTCTAAGTCTCGAGGAAAGATATGCACCATAGGTATTGCCCC
TGGGGAATTGTGAAAACCAGGAGGACCTATTGGAAGAGATGTTGTCCGGCCATACCAG
ACCATGTCCAATCCCATGAGCAAGCTCACTGTTCTCAACAGCATGCATTCCCCTTCATT
CTGGCTGACAACGGGACCACTGGAAAATATGGAGCAGAGGTGAAACTTCGAAGACAACTG
GAAAAGCATATTTCACTCCAGAAGATAAACACAAGAATCGGTCAAGGTGTTCTGTGGTG
GCACTCATAGTGAAGGAGGACCAATGTGATCTCGATTGTTTTGGAGTACCTTCGAGAC
ACCCCTCCCGTGCAGTGGTGTCTGTGATGGGAGTGGACGGGCATCGGACATCCTGGCC
TTTGGGCATAAACTCAGAAGAAGGGGACTGATAAATGAATCTTTGAGGGACCAAGCTG
TTGGTGACTATACAGAAGACTTTACATACACTCGAACCAAGCTCAGCATCTGTTTCATC
ATCCTCATGGAGTGCATGAAGAAGAAGGAATTGATTACGGTATTTCCGATGGGATCAGAA
GGACACCAGGACATTGATTTGGCTATCCTGACAGCTTTACTCAAAGGACCAATGCCTCG
GCCCCAGACCAACTGAGCTTAGCTTTAGCCTGGAACAGAGTCGACATCGCTCGCAGCCAG
ATCTTTATTTACGGGCAACAGTGGCCGGTGGGATCTCTGGAGCAAGCCATGTTGGATGCC
TTAGTTCTGGACAGAGTGGATTTGTGAAATTAATCATAGAGAATGGAGTAAGCATGCAC
CGTTTTCTCACCATCTCCAGACTAGAGGAATTGTACAATACGAGACATGGGCCCTCAAAT
ACATTGTACCCTTGGTCAGGGATGTCAAAAAGGGGAACCTGCCCCAGACTACAGAATC
AGCCTGATTGACATCGGCCTGGTATCGAGTACCTGATGGCGGGGCTTATCGTGCAAC
TACACGCGCAAGCGCTTCCGGACCCTCTACCACAACCTCTTCGGCCCCAAGAGGGATGAT
ATTCCTTGAGGGGAGGAAGAAAGACAACCAAGAAACGTGAAGAAGAGGTGGACATTGAC
TTGGATGATCCTGAGATCAACCACTTCCCTTCCCTTTCCATGAGCTCATGGTGTGGCT
GTTCTCATGAAGCGGCAGAAAGATGGCCCTGTTCTTCTGGCAGCACGGTGAGGAGGCCATG
GCCAAGGCCCTGGTGGCCTGCAAGCTCTGCAAAGCCATGGCTCATGAGGCCTCTGAGAAC
GACATGGTTGACGACATTTCCAGGAGCTGAATCACAATCCAGAGACTTTGGCCAGCTG
GCTGTGGAGCTCCTGGACCAGTCTACAAGCAGGACGAACAGCTGGCCATGAAACTGCTG
ACGTATGAGCTGAAGAACTGGAGCAACGCCACGTGCCTGCAGCTTGCCGTGGCTGCCAAA

```



[View online >](#)

CACCCGCGACTTCATCGCGCACACGTGCAGCCAGATGCTGCTCACCGACATGTGGATGGGC
 CGGCTCCGCATGCGCAAGAACTCAGGCCTCAAGGTAATCTGGGAATTCTACTTCTCCT
 TCAATTCTCAGCTTGGAGTTCAAGAACAAAGACGACATGCCCTATATGTCTCAGGCCAG
 GAAATCCACCTCCAAGAGAAGGAGGCAGAAAGAACAGAGAAGCCACAAAGGAAAAAGAG
 GAAGAGGACATGGAGCTCACAGCAATGTTGGGACGAAACAACGGGGAGTCTCCAGGAAG
 AAGGATGAAGAGGAAGTTCAGAGCAAGCACCGGTTAATCCCCCTCGGCAGAAAAATCTAT
 GAATTCTACAATGCACCCATCGTGAAGTTCTGGTCTACACACTGGCGTATATCGGATAC
 CTGATGCTCTTCAACTATATCGTGTTAGTGAAGATGGAACGCTGGCCGTCACCCAGGAA
 TGGATCGTAATCTCCTATATTTTACCCTGGGAATAGAAAAGATGAGAGAGATTCTGATG
 TCAGAGCCAGGGAAGTTGCTACAGAAAAGTGAAGGTATGGCTGCAGGAGTACTGGAATGTC
 ACGGACCTCATCGCCATCCTTCTGTTTTCTGTCGGAATGATCCTTCGTCTCCAAGACCAG
 CCCTTCAGGAGTGACGGGAGGTCATCTACTGCGTGAACATCATTACTGGTATATCCGT
 CTCCTAGACATCTTCGGCGTGAACAAGTATTTGGGCCGTATGTAATGATGATTGAAAA
 ATGATGATAGACATGATGACTTTGTCACTTATGCTGGTGGTCTGATGAGCTTTGGG
 GTGCCAGGCAAGCCATCCTTTTTCCAATGAGGAGCCATCATGGAACCTGGCCAAGAAC
 ATCTTCTACATGCCCTATTGGATGATTTATGGGGAAGTGTTCGGGACCGATAGACCCT
 CCCTGTGGACAGAATGAGACCCGAGAGGATGGTAAAATAATCCAGCTGCCTCCCTGCAAG
 ACAGGAGCTTGGATCGTGCCGGCCATCATGGCCTGCTACCTCTTAGTGGCAAACATCTTG
 CTGGTCAACCTCCTCATTGCTGTCTTTAACAATACATTTTTTGAAGTAAAATCGATATCC
 AACCAAGTCTGGAAGTTTCAGAGGTATCAGCTCATCATGACTTTCCATGAAAGGCCAGTT
 CTGCCCCCACCCTGATCATCTTCAGCCACATGACCATGATATCCAGCACCTGTGCTGC
 CGATGGAGGAAACACGAGAGCGACCCGGATGAAAGGGACTACGGCCTGAAACTCTTCATA
 ACCGATGATGAGCTCAAGAAAGTACATGACTTTGAAGGCAATGCATAGAAGAATCTTC
 AGAGAAAAGGATGATCGGTTCAACTCATCTAATGATGAGAGGATACGGGTGACTTCAGAA
 AGGGTGGAGAACATGTCTATGCGGCTGGAGGAAGTCAACGAGAGAGAGCACTCCATGAAG
 GCTTCACTCCAGACCGTGGACATCCGGCTGGCGCAGCTGGAAGACCTTATCGGGCGCATG
 GCCACGGCCCTGGAGCGCCTGACAGGTCTGGAGCGGGCCGAGTCCAACAAAATCCGCTCG
 AGGACCTCGTCACTGCACGGACGCCCTACATTGTCCGTGAGCAGCTTCAACAGC
 CAGGAAGGGAACACCTTCAAGCTCCAAGAGAGTATAGACCCTGCAGGTGAGGAGACCATG
 TCCCAACTTCTCAACCTTAATGCCCGTATGCGAAGCCATTCTTTCTATTCGGTCAAT
 ATGAAAGACAAAGGTGGTATAGAAAAGTTGAAAAGTATTTTTAAAGAAAGTCCCTGAGC
 CTACACCGGGCTACTAGTTCCCCTCTGTAGCAAAGAACCACAAAGCTCCTGCAGCCCCT
 GCCAACACCTTGCCATTGTTCCCTGATTCCAGAAGACCATCATCGTGTATAGACATCTAT
 GTCTCTGTATGGATGAGCTCCACTGTGATATAGACCCTCTGGACAATCCCGTGAACATC
 CTTGGGCTGGGCGAGCCAAGCTTTTCAACTCCAGTACCTTCCACAGCCCCCTCAAGTAGT
 GCCTATGCAACACTTGCACCCACAGACAGACCTCCAAGCCGGAGCATTGATTTTGAGGAC
 ATCACCTCCATGGACACTAGATCTTTTTCTTCACTACACCCACCTCCCAGAATGCCAA
 AACCCCTGGGACTCAGAGCCTCCGATGTACCACACCATGAGCGTTCAAAAGTAGCCGC
 TACCTAGCCACCACACCTTTCTTCTAGAAGAGGCTCCCATTGTGAAATCTCATAGCTTT
 ATGTTTTCCCCCTCAAGGAGCTATTATGCCAACTTTGGGGTGCCTGTAAAAACAGCAGAA
 TACACAAGTATTACAGACTGTATTGACACAAGGTGTGCAATGCCCTCAAGCAATTGCG
 GACAGAGTGCCTTCCCTGGAGGTCTTGGAGACAAAGTGGAGGACTTAACTTGCTGCCAT
 CCAGAGCGAGAAGCAGAAGTGAATCAGTACCCAGCTCTGACAGTGAAGGAGAAATGAGGCCAA
 GGCCGAGAGCCACCATGCAATATCCTCCAGGAGGGTATAACTCAGAGAGAACCCTG
 TCCAACAACATCACTGTTCCCAAGATAGAGCGGCCAACAGCTACTCGGCAGAGGAGCCA
 AGTGCGCCATATGCACACACCAGGAAGAGCTTCTCCATCAGTGACAAACTCGACAGGCAG
 CGGAACACAGCAAGCCTGCGAAATCCCTTCCAGAGAAGCAAGTCTCCAAGCCGGAGGGC
 CGAGGGGACAGCCTGTCCATGAGGAGACTGTCCAGAACATCGGCTTCCAAAGCTTTGAA
 AGCAAGCACAACTAA

Restriction Sites:

Please inquire

ACCN:

NM_206944

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_206944.2</u> , <u>NP_996827.2</u>
RefSeq Size:	5911 bp
RefSeq ORF:	5910 bp
Locus ID:	80036
Cytogenetics:	9q21.12-q21.13
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Gene Summary:	<p>The product of this gene belongs to the family of transient receptor potential (TRP) channels. TRP channels are cation-selective channels important for cellular calcium signaling and homeostasis. The protein encoded by this gene mediates calcium entry, and this entry is potentiated by calcium store depletion. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (d) has the same N- and C-termini and is shorter compared to isoform a.</p> <p>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>