

Product datasheet for **SC301218**

TRPM3 (NM_001007471) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRPM3 (NM_001007471) Human Untagged Clone
Tag: Tag Free
Symbol: TRPM3
Synonyms: GON-2; LTRPC3; MLSN2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001007471, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGAGCCGTGGGGACCGTTTATTTCTAGGCATTGCTCAGGTTTTTCAGTTTCTTG
TTTTCTGGTGAATTTGGAAGGGGTCATGAATCAGGCTGATGCTCCTCGACCCCTAAAC
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ACCTCTACCACAACCTCTTCGGCCCCAAGAGGCCAAAGCCTTGAAACTGCTGGGAATG
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GACATTGACTTGGATGATCCTGAGATCAACCATTCCCTTCCCTTCCATGAGCTCATG
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CCGGAGGGCCGAGGGGACAGCCTGTCCATGAGGAGACTGTCCAGAACATCGGCTTTCCAA
AGCTTTGAAAGCAAGCACAACTAA

Restriction Sites:	Please inquire
ACCN:	NM_001007471
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_001007471.1</u> , <u>NP_001007472.1</u>
RefSeq Size:	6289 bp
RefSeq ORF:	6288 bp
Locus ID:	80036
UniProt ID:	<u>Q9HCF6</u>
Cytogenetics:	9q21.12-q21.13
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (9) differs in the 5' UTR and the 5' coding region, compared to variant 1. The resulting isoform (k) has a longer N-terminus when compared to isoform a.

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.