

Product datasheet for SC123991

TRPM4 (NM_017636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPM4 (NM_017636) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPM4
Synonyms:	EKVP6; hTRPM4; LTrpC4; PFHB1B; TRPM4B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC123991 sequence for NM_017636 edited (data generated by NextGen Sequencing)

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ATGGTGGTGCCGGAGAAGGAGCAGAGCTGGATCCCCAAGATCTTCAAGAAGAAGACCTGC
ACGACGTTTCATAGTTGACTCCACAGATCCGGGAGGGACCTTGTGCCAGTGTGGGCGCCCC
CGGACCGCCACCCCGCAGTGGCCATGGAGGATGCCTTCGGGGCAGCCGTGGTGACCGTG
TGGGACAGCGATGCACACACCACGGAGAAGCCACCGATGCCTACGGAGAGCTGGACTTC
ACGGGGGCGCGCCGAAGCACAGCAATTCCTCCGGCTCTCTGACCGAACGGATCCAGCT
GCAGTTTATAGTCTGGTACACGCACATGGGGCTTCCGTGCCCGAACCTGGTGGTGTCA
GTGCTGGGGGGATCGGGGGGCCCGTCCAGACCTGGTGCAGGACCTGCTGCGTCGT
GGGCTGGTGGGGCTGCCAGAGCACAGGAGCCTGGATTGCTACTGGGGTCTGCACACG
GGCATCGCCCGCATGTTGGTGTGGCTGTACGGGACCATCAGATGGCCAGCACTGGGGGC
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ATCAACCCCAAGGGCTCGTTCCTGCGAGGTACCGGTGGCGCGGTGACCCGGAGGACGGG
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CCTGACGTGGGGCATGTGCTGAGGATGCTGCTGGGGAAGATGTGCGCGCCGAGGTACCCC
TCCGGGGGCGCCTGGGACCCTACCCAGGCCAGGGCTTCGGGGAGAGCATGTATCTGCTC
TCGGACAAGGCCACCTCGCCGCTCTCGCTGGATGCTGGCCTCGGGCAGGCCCCCTGGAGC
GACCTGCTTTTGGGCACTGTTGCTGAACAGGGCACAGATGGCCATGTACTTCTGGGAG
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CGGGAGAGCGACTCCGAGCGTCTGAAGCGCACGTCCCAGAAGGTGGACTTGGCACTGAAA
CAGCTGGGACACATCCGCGAGTACGAACAGCGCCTGAAAGTGTGGAGCGGGAGGTCCAG
CAGTGTAGCCGCTCCTGGGGTGGGTGGCCGAGGCCCTGAGCCGCTCTGCCTTGTGCC
CCAGGTGGGCCGCCACCCCTGACCTGCCTGGGTCCAAAGACTGA

Clone variation with respect to NM_017636.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017636 unedited</p> <pre> AGGTCAGNAATTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGCGGCCGC GGCAGCATGGTGGTGCCGGAGAAGGAGCAGAGCTGGATCCCCAAGATCTTCAAGAAGAAG ACCTGCACGACGTTTCATAGTTGACTCCACAGATCCGGGAGGGACCTTGTGCCAGTGTGGG CGCCCCGGACC GCCACCCCGCAGTGGCCATGGAGGATGCCTTCGGGGCAGCCGTGGTG ACCGTGTGGGACAGCGATGCACACACCAGGAGAAGCCACCGATGCCTACGGAGAGCTG GACTTCACGGGGGCCGGCCGAAGCACAGCAATTCCTCCGGCTCTCTGACCGAACGGATG CCAGCTGCAGTTTATAGTCTGGTCACACGCACATGGGGCTTCCGTGCCCGAACCTGGTG GTGTCACTGCTGGGGGATCGGGGGGCCCGTCCCTCCAGACCTGGCTGCAGGACCTGCTG CGTCGTGGGCTGGTGGGGCTGCCAGAGCACAGGAGCCTGGATTGCTACTGGGGTCTG CACACGGGCATCGCCCGCATGTTGGTGTGGCTGTACGGGACCATCAGATGGCCAGCACT GGGGGCACCAAGGTGGTGGCCATGGGTGTGGCCCTGGGGTGTGGTCCGGAATAGAGAC ACCCTCATCAACCCAAAGGCTCGTTCCTGCGAGGTACCCGTGGCGCCGTGACCCGGAA GACGGGGTCCAGTTTTCCCTGGACTACCACTACTCGGCCCTCTTCTGGTGGGAGACGGG ACACACCCTGCCCGGGGGCGAGAACGGCTTCCGCTTCGCTGGAATCCACATCTCACA CCCAAAAACAGGCTGGGAGGGACTGAAATGACACCCTGTCCCGCTCCCGCGATTGATG GGATAAAAAAATTTAAT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017636 unedited</p> <pre> TCCGGGCCAGGAGAGGCACTGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCAGG AAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTT TT TT AGTGGGAGAAATCTGTGAGTGGGGGGGGTCTGGGGCCCTGTTACCCAGGGCCCTGC ACCCCCAAATGGATAACGGCCCGGTTCCAGGCTTGATCCCCCAGGCTGGGACTGGT TCTGGGAGGACCCGGCATGCTGTGTTTTGTAAGGATAACCCCCAAAGGGGTCTGA CAGGGGCCCAAATGGACATGGGGCTCACCTCAGGACAAGGCCCCAGGTGGGGGGGCCG AGGCCCAAATGACCCTTACTTTAGGACAAAACCCCGGGGGGGCTTCTCCTTGAAGTC CGCCAGCGGGGCTAATTTTTGGACCCAGGCAGTCAAGGGGGGGCGGCCACCTGGGGG CAACAAGGCAAAGCGCTAAGGGCCTTGCCACCCACCCAAAGGACGCGGCTACACTGCTG GACCTCCCGCTCCAGCATTTGAGGCGCTGTTCTGACTCCGCGGAGGGTCCCACTTGT TTAAGGGCCATGCCACCTTTGGGGACGTGCGCTTAAGACGCTGGGAGTCTCCCGT GTGTCCCTGCCGCGGCCG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_017636
Insert Size:	4500 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:	<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:	NM_017636.2 , NP_060106.2
RefSeq Size:	4061 bp
RefSeq ORF:	3645 bp
Locus ID:	54795
UniProt ID:	Q8TD43
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a calcium-activated nonselective ion channel that mediates transport of monovalent cations across membranes, thereby depolarizing the membrane. The activity of the encoded protein increases with increasing intracellular calcium concentration, but this channel does not transport calcium. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>