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Product datasheet for SC303292

TRPM2 (NM_003307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPM2 (NM_003307) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPM2
Synonyms:	EREG1; KNP3; LTrpC-2; LTRPC2; NUDT9H; NUDT9L1; TRPC7
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003307 edited

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5' Read Nucleotide Sequence:

>Reverse primer walk for NM_003307 unedited
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3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_003307 unedited
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Restriction Sites: Please inquire

ACCN: NM_003307

Insert Size:	5600 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).
OTI Annotation:	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substituion of 1 aa.
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_003307.3, NP_003298.1
RefSeq Size:	5876 bp
RefSeq ORF:	4512 bp
Locus ID:	7226
UniProt ID:	O94759
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Gene Summary:	The protein encoded by this gene forms a tetrameric cation channel that is permeable to calcium, sodium, and potassium and is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. Additional transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (1) encodes isoform 1.