

Product datasheet for **MC227535**

Trpc6 (NM_001282087) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trpc6 (NM_001282087) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trpc6
Synonyms: AV025995; LLHWJM002; LLHWJM003; LLHWJM004; mtrp6; TRP-6; Trrp6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227535 representing NM_001282087
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCAGAGCCCGAGGTTCTGACCCGAGGGGCGGCTCTCTAAAGGCTGCCCTGGAGCCGGCACCC
 GGCACAACGAGAGCCAGGACTATTTGCTGATGGACGAGCTGGGAGACGACGGCTACCCGAGCTCCCGCT
 GCCACCGTATGGCTACTACCCAGCTTCCGGGGTAATGAAAACAGACTGACTACCGGCGGCAGACGATT
 CTTCTGTGAGAAGGAAGAAGGTTAGCTAATCGAGGACCAGCATACATGTTAATGATCATTCAACAAGCC
 TGCTATTGAGGAAGAACGCTTTCTAGATGCAGCTGAATATGGCAACATCCCAAGTGGTCCGGAAGATGCT
 AGAAGAGTGTCATTCCCTCAATGTTAACTGTGTGGATTACATGGGCCAGAATGCCCTACAGCTGGCTGTG
 GCCAATGAGCACTTGAAATCACAGAGCTGCTACTCAAGAAGGAAAACCTGTCTCGAGTTGGGGATGCTT
 TACTTTTAGCCATTAGTAAAGGTTATGTACGGATTGTGGAGGCAATCCTCAACCATCCAGCTTTTGTCTGA
 AGGCAAAAGGTTAGCGACAAGCCCCAGCCAGTCTGAACCTCAGCAAGATGACTTTTATGCCTATGATGAA
 GATGGGACGCGGTTCTCCCATGATGTACCCCAATCATTCTCGCTGCACATTGCCAGGAATATGAAATTG
 TGCATACCCTCTGAGAAAGGGTGCCCGGATTGAGCGGCCCTCATGATTACTTCTGCAAGTACAGAATG
 CAGCCAGAAGCAGAAGCATGATTCTTCAGCCACTCTAGATCCAGGATCAATGCATACAAAGGCTCGGCA
 AGTCCAGCATACCTGTCATTGTCCAGTGAAGATCCAGTCATGACTGCTTTAGAACTTAGCAATGAGCTGG
 CAGTGCTTGCCAACATTGAGAAAGAGTTCAAGAATGACTACAGGAAGCTGTCTATGCAGTCAAGGATTT
 CGTTGTTGGTCTCTTGGACCTCTGCAGAAACACAGAGGAAGTGGAGGCCATCCTGAATGGGGATGCAGAG
 ACTCGCCAGCCCGGGGACTTCGGCCGTCCTCAAACTCAGCCGTTTAAAACCTGCTATTAAGTATGAAGTAA
 AAAAGTAAGGCAGGGCGTGAGGCCCTTTGTTACTTCAGTTTGTGTGTGGATATGCCAAGCTGGAAA
 GAGCAGGGGGTTCATCCCGAGGAAGCAT**C**AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001282087
Insert Size:	1221 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001282087.1</u> , <u>NP_001269016.1</u>
RefSeq Size:	3235 bp
RefSeq ORF:	1221 bp
Locus ID:	22068
Cytogenetics:	9 2.46 cM
Gene Summary:	<p>Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C. Seems not to be activated by intracellular calcium store depletion.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks several exons and its 3'-terminal exon extends past a splice site that is used in variant 1. The encoded isoform (3) has a shorter and distinct C-terminus, compared to isoform 1.</p>