

Product datasheet for **MC222685**

Trpc6 (NM_013838) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc6 (NM_013838) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpc6
Synonyms:	AV025995; LLHWJM002; LLHWJM003; LLHWJM004; mtrp6; TRP-6; Trrp6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222685 representing NM_013838

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCCAGAGCCCGAGGTTTCGTGACCCGAGGGGCGGCTCTCTAAAGGCTGCCCTGGAGCCGGCACCC
GGCGCAACGAGAGCCAGGACTATTTGCTGATGGACGAGCTGGGAGACGACGGCTACCCGAGCTCCCGCT
GCCACCGTATGGCTACTACCCAGCTTCCGGGGTAATGAAAACAGACTGACTCACCGCGGCAGACGATT
CTTCGTGAGAAGGAAGAAGGTTAGCTAATCGAGGACCAGCATACATGTTAATGATCATTCAACAAGCC
TGTCTATTGAGGAAGAACGCTTTCTAGATGCAGCTGAATATGGCAACATCCAGTGGTGGGAAGATGCT
AGAAGAGTGTCTCCCTCAATGTTAACTGTGTGGATTACATGGGCCAGAATGCCCTACAGCTGGCTGTG
GCCAATGAGCACTTGAAATCACAGAGCTGCTACTCAAGAAGGAAAACCTGTCTCGAGTTGGGGATGCTT
TACTTTTAGCCATTAGTAAAGGTTATGTACGGATTGTGGAGGCAATCCTCAACCATCCAGCTTTTGTCTGA
AGGCAAAAAGGTTAGCGACAAGCCCCAGCCAGTCTGAACCTCAGCAAGATGACTTTTATGCCTATGATGAA
GATGGGACGCGGTTCTCCCATGATGTGACCCCAATCATTCTCGCTGCACATTGCCAGGAATATGAAATTG
TGCATACCTCCTGAGAAAGGGTGCCCGGATTGAGCGGCCTCATGATTACTTCTGCAAGTGTACAGAATG
CAGCCAGAAGCAGAAGCATGATTCCTTCAGCCACTCTAGATCCAGGATCAATGCATACAAAGGTCTGGCA
AGTCCAGCATACCTGTCATTGTCAGTGAAGATCCAGTCACTGACTGCTTTAGAACTTAGCAATGAGCTGG
CAGTGTCTGCCAATTGAGAAAGAGTTCAAGAATGACTACAGGAAGCTGTCTATGCAGTGAAGGATTT
CGTTGTTGGTCTCTTGGACCTCTGCAGAAACACAGAGGAAGTGGAGGCCATCCTGAATGGGGATGCAGAG
ACTCGCCAGCCCGGGGACTTCGGCCGTCCAAATCTCAGCCGTTTAAAACCTTGCTATTAAGTATGAAGTAA
AAAAATTTGTGGTCTATCCAACTGTCAAGCAAGCTCCTGTCCATATGGTATGAGAACCCTCTCTGGTTT
ACGGCAGCAGACCATGGCAGTGAAGTTCCTCGTGGTCTTGTCTGTTGCCATTGGATTGCCCTTCTGGCT
CTCATATACTGGTGTGCTCCTTGACGAAGATGGGGAAGATATTGCGAGGACCGTTCATGAAGTTTGTAG
CACACGCAGCCTCCTCACCATTTTCTGGGGTCTCGTCATGAATGCAGCTGACAGATTTGAAGGCAC
CAAGCTCCTCCCTAATGAAACCAGCACAGATAATGCAAGGCAGCTGTTCCAGGATGAAAACATCCTGTTTC
TCATGGATGGAGATGCTCATTATCCTGGTAATAGGCATGATATGGGCTGAATGTAAGAAATCTGGA
CTCAAGGCCCAAAGAATACTTATTTGAGTTGTGGAATATGCTTGACTTTGGAATGCTGGCAATCTTTGC
AGCATCATTATTGCAAGATTTATGGCGTCTGGCATGCATCAAAGCTCAGAGCATATTGATGCAAAAT
GATACTTTAAAGGATTTGACAAAAGTCACTGGGGACAACGTTAAATACTACAATCTGCCAGGATAA
AGTGGGACCTACTGATCCTCAGATCATCTCTGAAGTCTTTATGCAATCGCTGTGGTTTTAAGTTTCTC
CAGAATAGCTTACATTTTACCAGCAAATGAAAGCTTTGGACCTCTGCAGATTTCACTTGGAAAGACAGT
AAAGATATCTTCAAATTCATGGTCATATTCATCATGGTGTGTTGTAGCCTTTATGATTGGAATGTTCAACC
TTTACTCCTACTACATTTGGCGCAAAACAGAATGAAGCATTACAACAGTTGAGGAAAGTTTTAAGACT
GTTCTGGGCTATCTTTGGTCTTCTGAAGTGAAGTCACTGGTTCATTAACATAATCACAAGTTTATTGAA
AACATCGGCTACGTTCTGTATGGTGTCTATAATGTCACAATGGTCATTGTTTTGCTAAATATGTTAATTG
CGATGATCAATAGTTCATTCCAGGAAATGAGGATGATGCGGACGTGGAGTGAAGTTTGAAGGGCCAA
ATTGTGGTTTTCTACTTTGAGGAGGGGAGAACAACCTTCTGTCCCCTTCAATCTTGTACCAAGTCCAAAA
TCCTTGCTTTATCTCCTATTGAAATTTAAGAAATGGATGTGTGAGCTCATCCAGGTCAAAAGCAAGGCT
TCCAAGAAGATGCAGAGATGAACAAGAGAAATGAAGAAAAGAAATTTGGAATTTAGGAAGTCAAGGA
CCTTTCAAATTTTCACTTGACAAAAATCAGTTGGCACACAACAACAATCAAGTACAAGGAGCTCAGAA
GATTATCATTTAAATAGTTTTCAGTAACCCTCCAAGACAATATCAGAAAATCATGAAGAGACTCATTAAAA
GATATGTATTGCAGGCCAGATTGATAAGGAGAGCGATGAGGTGAATGAAGGGGAATTGAAGGAAATTA
GCAAGACATCTCAAGTCTCCGTTATGAACTCCTTGAAGAGAAATCACAGAACACAGAAGACCTAGCAGAG
CTCATTAGAAAACCTCGGGAGAGACTGTCGTTAGAGCCAAAGCTGGAGGAAAGCCCGAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_013838
Insert Size:	2793 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_013838.2 , NP_038866.2
RefSeq Size:	3259 bp
RefSeq ORF:	2793 bp
Locus ID:	22068
UniProt ID:	Q61143
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 (1) represents the longest transcript and encodes the longest isoform (1).</p>