

Product datasheet for **MC222902**

Trpc5 (NM_009428) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc5 (NM_009428) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpc5
Synonyms:	CCE2; TRP-5; TRP5; Trrp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222902 representing NM_009428
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGCTGTACTACAAGAAGTCAATTACTCACCATACAGAGATCGCATCCCCCTCCAATCGTGA
 GGGCTGAGACTGAGCTGTCTGCTGAGGAGAAAGCCTTCCTTAGTGCTGTGGAGAAGGGGACTATGCCAC
 AGTGAAGCAGGCACTGCAGGAGGCCGAGATCTACTACAATGTCAACATCAACTGCATGGATCCTTTGGGC
 AGGAGCGCCCTGCTCATTGCCATTGAGAATGAGAACTGGAGATCATGGAGCTACTGCTGAACCACAGTG
 TGTATGTGGCGATGCATTACTCTACGCCATCCGCAAGGAGGTGGTAGGAGCTGTGGAACCTCTGCTTAG
 CTACAGGAAGCCAGTGGAGAGAAGCAGGTTCCACGCTGATGATGGACACCCAGTCTCTGAGTTCACA
 CCAGACATCACTCCATTATGTTGGCAGCCACACCAACAATGAAATCATCAAATTGCTTGCCAAA
 AGAGGGTCACTATCCCAAGGCCACCAGATCCGCTGCAACTGTGTGGAGTGTGTATCCAGTTCGGAGGT
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 TTATCAAGCGAGGACCCATCCTCACGGCTTTTGGCTGGCTGGGAACCAAGGAGCTGAGCAAAGTGG
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 CCAAGCTCGGAGCTCCAGAGAACTGGAGATCATCTCAACCATCGAGATGACCACAGTGAAGAACTTGAC
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 TTGCGTCTCATATCCTTGTTCACAGCAACTCCCATTTAGGGCTCTGCAGATCTCTTTGGGACGAATGC
 TGCTTGATATACTCAAATTTCTTTTACTACTGCCTAGTACTACTGGCTTTTGGCAACGGACTGAACCA
 GCTTTACTTTTACTATGAGACCAGAGCTATTGATGAACCTAACAAGGCAAGGGATCCGATGTGAAAA
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 AGTCTAAGAGTGTCTTTCAATGTAGGCTGCAAGAAAAAGCCTGTACGGTGCACCGCTCATCAGAAC
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 CCGTCTTTCAAGAAATTTGGTCTCTTCTTCTCAAAGTTCAATGGTCAAACATCTGAACCTACTTCGGAGC
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 GGAGAAAGGGAAGGCAGAGGCCGTTCTCAAAGTCAAGTGAACCTTGGCGAGGTAGAGCTAGGTGAAATC
 CGGGGGGCTGCTGCTCGGAGCAGTGAAGTCCCCCTAGCCTGTTCCAGCTCCCTTCACTGTGCATCCGGCA
 TCTGCTCCTCAAATTCGAACTTTGGACTCGTCAGAGGACGATTTGAACTTGGGGAGAGGCTTGTGA
 CTTGCTCATGCACAAATGGGGTGTGGACAGGAAGAACAAGTTACAACCTCGGCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_009428
Insert Size:	2928 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:	BC112972 , AAI12973
RefSeq Size:	3691 bp
RefSeq ORF:	2928 bp
Locus ID:	22067
UniProt ID:	Q9QX29
Cytogenetics:	X 65.49 cM
Gene Summary:	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. Has also been shown to be calcium-selective. May also be activated by intracellular calcium store depletion.[UniProtKB/Swiss-Prot Function]