

Product datasheet for **MC222261**

Trpc7 (NM_012035) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc7 (NM_012035) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trpc7
Synonyms:	TR; TRP7; Trrp8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222261 representing NM_012035
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGGGGAGCAACACCTTCAAAAACATGCGAGCGCCGGCACACCACCTTGAGGGAGAAGGGGGCCGCC
 AGGCCATCCGGGGTCTGCCTACATGTTCAACGAGAAGGGCACAGCCTGACCCCTGAGGAGGAGCGCTT
 CCTGGACTCGGCTGAGTATGGCAACATACCAGTGGTCAGAAAAATGCTGGAGGAATCCAAGACCCTCAAT
 TTCAACTGCGTGGACTACATGGGGCAGAACCGCTGCAGCTGGCCGTGGGCAACGAGCACTTGGAGGTCA
 CTGAACTGTTGCTGAAGAAAGAGAACTTGGCGGGTGGGCGACGCGCTGCTGCTGGCCATCAGCAAGGG
 CTATGTGCGCATTGTGGAGGCCATCCTCAGCCATCCGGCCTTCGCGCAGGGCCAGCGCTGACGCTCAGC
 CCGCTGGAGCAGGAGCTGCGGGATGATGACTTCTATGCCTACGACGAGGATGGCACGCGCTTCTCCACG
 ACATCACACCCATCATCCTGGCGGCCACTGCCAGGAGTATGAGATTGTGCATATCTTGCTGCTCAAGGG
 TGCGCGCATTGAGCGGCCCATGACTACTTCTGCAAGTGAATGAGTGCACGGAGAAGCAGCGCAAGGAC
 TCCTTCAGTCACTCGCGCTCCCGGATGAATGCCTACAAAGGACTGGCCAGTGCCTGCTACCTGTCCCTAT
 CCAGTGAAGACCCTGTCCTCACTGCGCTGGAGTAAGCAACGAGTTAGCCCGACTGGCCAACATTGAGAC
 TGAATTTAAGAATGATTACAGGAAGTTATCTATGCAATGCAAGGATTTTGTGGTGGGCGTCTGGACCTG
 TGCCGAGACACAGAAGAGGTGGAAGCAATTTAAATGGCGATGTGAAGTGTGAAGTCTGGTCCGACCACC
 ACCGTCCAAGTCTGAGCCGAATCAAACCTCGCCATTAAGTACGAAGTCAAGAAGTTCGTTGCTCACCTAA
 CTGTACAGCAATTGCTTACCATGTGGTATGAAAATCTCTCAGGCTTACGGCAACAGTCTATCGCTGTG
 AAATTCCTGGCTGCTTTGGAGTCTCCATAGCCCTCCCTTTCTCGCCATAGCCTATTGGATTGCTCCGT
 GCAGAACGCTAGGACAAACCCCTGAGGACCCCTTTCATGAAGTTTGTGGCCATGCAGTGTCTTTTACCAT
 CTCTTTGGGACTGCTAGTTGTGAACGCCTCCGACCGGTTTGAGGGCGTTAAGACTCTGCCAATGAGACC
 TTCACAGACTACCCAAACAGATCTTCAGAGTGA AAAACACACAGTTCTCCTGGACGGAGATGCTCATCA
 TGAAGTGGGTCTTAGGAATGATCTGGTCCGAATGCAAGGAGATCTGGGAGGAGGGCCGCGGGAGTACGT
 GCTACACTTGTGGAACCTTCTGGATTTTGGCATGCTGTCCATCTTCGTGGCTCCTTCACTGCGAGGTTT
 ATGGCTTCTCAAGGCCAGCGAGGCCAGCTGTACGTGGACCAGTACGTGCAGGATGTAACGCTGCACA
 ACGTCTCACTTCCACCGAAGTGGCCTACTTCACTACGCCAGGGATAAGTGGTGGCCTTCAGACCCCCA
 GATCATCTCGGAAGGGCTGTACGCCATTGCGGTTGTCTCAGCTTCTCCCGATCGCCTACATCCTGCCA
 GCCAATGAGAGCTTCGGACCTTTCAGATCTCCCTGGGAAGAACTGTGAAAGACATCTTCAAGTTATGG
 TCAATTTTATCATGGTATTTGTGGCCTTATGATCGGAATGTTCAACCTGTACTCCTACTACCGAGGTGC
 AAAGTACAACCCAGCGTTTACCACAGTTGAAGAAAGCTTTAAAACCTTGTGTTTGGTCCATATTTGGCTT
 TCTGAGGTCACTCGGTGGTGTGAAAACGACCACAAGTTTATCGAGAATATTGGCTACGTGCTGTATG
 GGGTTTATAATGTCACCATGGTGGTGTACTACTCAACATGCTGATAGCCATGATCAACAACCTCCTATCA
 GGAAATCGAGGAAGACGCGGACGTGGAGTGAAATTTGCTCGAGCGAAGCTCTGGCTTCTTACTTTGAT
 GAAGGAAGAACTCTCCCTGCTCCCTTAACTGGTGGCAGCCCTAAATCCTTTTATTATCTCATAATGA
 GAATCAAGATGTCCCTCATAGAGCTCTGCCAATCTAAGGCCAAACGCTGTGAAAACGACCTGGAAATGG
 CATGCTGAACTCCAAGTTCAGGAAGACTCGCTACCAGGCTGGCATGAGGAATTCTGAAAACCTGACAGCC
 AATAGCACCTTCAGCAAGCCACCAGATACCAGAAGATCATGAAGCGGCTCATAAAGAGATACGTGCTGA
 AGGCCAGGTGGACAGAGAGAACGATGAAGTCAATGAAGGTGAACTCAAGGAGATCAAACAAGACATCTC
 AAGCCTTCGCTATGAGCTCCTGGAGGAGAAGTCTCAGGCTACAGGAGAGCTGGCAGACCTGATCCAGCAG
 CTCAGCGAGAAGTTGGGAAGAATCTGAACAAAGACCCTGCGGGTGAACCAGGGCAAGGACATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012035
Insert Size: 2589 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_012035.3 , NP_036165.1
RefSeq Size:	3550 bp
RefSeq ORF:	2589 bp
Locus ID:	26946
UniProt ID:	Q9WVC5
Cytogenetics:	13 B1
Gene Summary:	<p>The protein encoded by this gene is a member of the transient receptor potential channel family of proteins, which form six-transmembrane cation-permeable channels that are calcium permeant. Knock out mice are viable but display a reduction in the gamma wave activity that precedes seizure induction in response to a muscarinic agonist, suggesting a functional role for this protein in initiation of seizures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>