

Product datasheet for **RN217275**

Trpc7 (NM_001191691) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc7 (NM_001191691) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpc7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217275 representing NM_001191691
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGGGAGCAACACCTTCAAAAACATGCAGCGCCGGCACACCACCTTGAGGGAGAAGGGCGCCGCC
 AGGCCATCCGGGTCCTGCCTACATGTTCAATGAGAAGGGCACACAGCCTGACCCCTGAGGAGGAGCGCTT
 CCTGGACTCGGCTGAGTATGGCAACATACCAGTGGTCAGGAAAATGTTGGAGGAGTCCAAGACCCTCAAT
 TTCAACTGCGTGGACTACATGGGGCAGAACGCGCTGCAGCTAGCTGTGGGCAACGAGCACCTAGAGGTCA
 CTGAACTGCTGCTGAAGAAGGAGAACTTGGCTCGAGTGGGCGACGCGCTGCTGCTGGCCATCAGCAAGGG
 CTACGTGCGCATTGTGGAGGCCATCCTCAGCCATCCGGCCTTCGCACAGGGCCAGCGGCTGACGCTCAGC
 CCGCTGGAGCAGGAGCTGCGCGATGACGACTTCTATGCCTACGACGAGGATGGCACGCGCTTCTCCCACG
 ACATCACACCCATCATCCTGGCGGCCACTGCCAGGAGTACGAGATTGTACACATCCTGCTGCTCAAGGG
 TGGCGCATTGAGCGGCCCATGACTACTTCTGCAAGTGAATGAGTGCACCGAGAAGCAGCGCAAGGAC
 TCCTTCAGCCATTCGCGCTCCCGTATGAATGCCTACAAAGGACTGGCCAGTGCCTGCTACCTGTCCCTAT
 CCAGTGAAGACCCTGTCCTCACTGCACTGGAGTAAGCAACGAGTTAGCCAGACTGGCCAACATTGAGAC
 TGAATTTAAGAACGACTACAGGAAGTTATCTATGCAATGCAAGGACTTTGTGGTGGGCGTCTGGACCTG
 TGCCGAGACACGGAAGAGGTGGAAGCAATTTAAATGGCGACGTGAACCTGCAAGTCTGGTCCGACCACC
 ACCGTCCAAGTCTGAGCCGCATCAAACCTGCCATTAAGTACGAAGTCAAGAAGTTCGTTGCCACCCCTAA
 CTGTCAGCAGCAATTGCTTACCATGTGGTATGAAAATCTCTCAGGCTTACGGCAACAGTCTATCGCTGTG
 AAATCCTGGCTGCTTTGGAGTCTCCATAGCCCTCCCTTTCTCGCCATAGCCTATTGGATTGCTCCGT
 GCAGACAGCTAGGACGAACCCCTGAGGACCCCTTTCATGAAGTTCGTAGCCACGCGGTGCTTTTACCAT
 CTTCCTGGGACTGCTAGTTGTGAATGCATCCGACCGGTTTGAGGGTGTTAAGACTTTGCCAACGAGACC
 TTCACAGACTACCCAAACAGATCTTCAGAGTGAACCACGAGTTCTCCTGGACGAGATGCTCATCA
 TGAAGTGGTCTTAGGAATGATCTGGTCTGAATGCAAGGAGATCTGGGAGGAGGGCCGCGGGAGTACGT
 GCTGCACTTGTGGAACCTACTGGATTTCCGCATGTTGTCCGTCTTCGTGGCTCCTTACCAGGAGGTTT
 ATGGCTTCTCAAGGCCAGTGGGCCAGCTGTACGTGGACCAGTACGTGCAGGATGTAACGCTGCACA
 ACGTCTCACTCCGCCGGAAGTGGCATACTTACCTACGCCAGGACAAGTGGTGGCCTTACAGCCCCCA
 GATCATCTCGGAAGGGCTGTACGCCATCGCTGTTGTAAGTACTCAGCTTCTCCCGATTGCCTATATCCTGCCA
 GCCAATGAGAGCTTCGGGCCCTTGAGATCTCCCTGGGAGAAGTGTAAAGACATCTTCAAGTTATG
 TCATCTTTATCATGGTGTGTTGTGCCTTATGATCGGGATGTTCAACCTGTACTCCTACTACCGAGGTGC
 AAAGTACAACCCCGGTTTACAACAGTTGAAGAGAGCTTTAAAACCCCTGTTTTGGTCCATATTTGGCTTG
 TCTGAGGTCACTCGGTGGTGTGAAGTACGACCACAAGTTTCATCGAGAACATCGGCTACGTGCTGTACG
 GCGTTTATAATGTCACCATGGTGGTGTGCTGCTCAACATGCTGATAGCCATGATCAACAACCTCCTATCA
 GGAAATCGAGGAAGACGACGAGCTGGAGTGAAATTTGCTCGAGCCAAGCTCTGGCTTCCCTACTTTGAT
 GAAGGAAGAACTCCTCCTGCTCCCTTTAACCTGGTGGCAGTCTAAATCCTTTTATTATCTCATAATGA
 GAATCAAGATGTCCCTCATAAAGCTCTGCAAACTAAGGCCAAACGCTGTGAAAACGACCTGGAAATGG
 CATGCTGAACTCAAATTCAGGAAGACTCGCTACCAGGCCGCAATGAGGAATTCTGAAAACCTGACAGCT
 AACAGCACCTTCAGCAAGCCACCAGATACCAGAAGATCATGAAGCGTCTCATTAAAGAGATACGTGCTGA
 AGGCCAGGTGGACCGGAGAATGATGAAGTCAACGAAGTGAAGTCAAAGAGATCAAGCAAGACATCTC
 AAGCCTTCGCTATGAGCTCCTGGAGGAGAAGTCTCAAGTACCGGAGAGCTGGCAGACCTGATCCAACAG
 CTCAGTGAGAAGTTGGAAGAATTTGAACAAAGACCCTGAGGGTGAACAAGGCAAGGACATT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001191691
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).
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_001191691.2, NP_001178620.2</u>
RefSeq Size:	3055 bp
RefSeq ORF:	2589 bp
Locus ID:	282822
Cytogenetics:	17p14
Gene Summary:	non-selective cation channel; activated down-stream of G-protein-coupled receptors [RGD, Feb 2006]