

Product datasheet for **RN200252**

Trpc4 (NM_080396) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc4 (NM_080396) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpc4
Synonyms:	Trp4; Trrp4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200252 representing NM_080396
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCAGTTCTATTACAAACGAAATGTCAACGCCCCCTACCGAGACCGCATCCCCTGAGGATCGTCA
 GGGCAGAACTCTGAACTCTCACCATCAGAGAAAGCCTACTTGAATGCCGTGAAAAAGGGGACTATGCAAG
 CGTCAAGAAATCTCTGGAGGAAGCCGAGATTTATTTTAAAATCAACATTAAGTGCATTGACCCCTTGGG
 AGGACTGCTCTTCTCATTGCCATTGAAAATGAGAACCTGGAGCTGATTGAACTGTTGTTGAGTTTCAATG
 TCTATGTTGGCGATGCGCTACTTCACGCCATCAGGAAAGAGGTGGTTGGAGCCGTGGAGCTACTGCTGAA
 CCACAAAAAGCCAGCGGAGAGAAGCAGGTGCCCTCCATCCTCCTTGACAAACAGTTCTCTGAATTCACC
 CCAGACATCACGCCTATCATCTGGCTGCACATACAAATAATTATGAGATAATCAAACCTTTGGTCCAGA
 AGGGTGTCTCGGTGCCAGACCCACGAGGTCCGCTGTAAGTGTGTTGAGTGTGTCTCCAGCTCAGACGT
 GGACAGCCTCAGGCACTCAGGTCAGGCTCAACATCTACAAGGCTTTGGCCAGCCCTCGCTCATTGGC
 CTGTCAAGTGAAGACCCTTTCCTCACCGCCTTTCAGTTAAGCTGGGAGCTGCAAGAACTGAGTAAGGTGG
 AGAATGAATTCAGTTCGAGATGAGGAGCTGTCTAGACAGTGCAAACAGTTTGCTAAGGACCTCCTAGA
 TCAGACACGGAGTTCAGAGAGCTGAAATCATTCTTAATTACCGTGATGACAATAGCCTGATCGAAGAA
 CAGAGTGGAAATGATCTTGCAGGCTAAAATTAGCCATTAAGTACCGTCAAAAAGAGTTTGTGCTCAGC
 CCAACTGCCAGCAGCTGCTCGCTTCCGCTGGTACGATGAGTTCCAGGCTGGAGGAGAAGACACTGGGC
 GGTGAAGATGGTGACATGTTTCATAATAGGACTACTCTCCCCGTCTTCCGTGTGCTACCTGATAGCT
 CCCAAAAGCCCACTTGGACTGTTTCATCAGAAAGCCATTTATCAAGTTTATCTGCCACACAGCCTCCTATC
 TGACCTTTTGTCTGCTGCTAGCCTCTCAGCACATCGACAGGTCAGACTTGAACAGGCAAGGTCC
 ACCACCAACCATCGTGGAGTGGATGATATTACCGTGGTCTGGGTTTTATATGGGGAGAGATTAACAG
 ATGTGGGATGGCGGACTTCAGGATTACATCCAGACTGGTGAATCTAATGGACTTTGTGATGAACCTCT
 TGTATCTGGCACAATCTCCTTGAAGATTGTCGCAATTTGTAAGTACAGTGTCTGAACCCACGGGAATC
 ATGGGACATGTGGCACCCACCCTGGTGGCAGAGGCTTTATTCGCAATTGCAAACATCTCAGTTCCTC
 CGCCTGATCTCTGTTCACTGCCAATCTCACCTGGGCCTCTGCAGATATCTTGGGAAGAATGCTCC
 TGGACATCCTAAAGTTCTTATTCATATACTGCCTCGTGTGCTAGCTTTTGCAATGGCCTAAATCAACT
 GTACTTCTACTATGAAGAAACGAAGGGTTAAGCTGCAAAGGCATACGGTGCAAAAACAGAACAACGCG
 TTCTCCACGTTATTTGAGACTCTACAGTCCCTGTTTGGTCAATATTTGGACTCATCAATCTCTATGTTA
 CCAATGTCAAAGCCAGCATGAGTTCAGTGAATTTGTTGGGGCCACCATGTTGGCAGATATAACGTCAT
 CTCTCTGGTTGTCTCCTGAACATGCTGATCGCTATGATGAATAATTCTTACCAACTAATTGCCGACCAC
 GCAGATATAGAGTGGAAATTTGCTGCAACAAAGCTTTGGATGAGCTACTTTGAAGAAGGGGTACCTGC
 CTACACCTTTCATGTCAATCCCAAGCCCAAGTCCCTGTGGTACCTGGTCAAGTGGATATGGACGCACTT
 ATGTAAGAAAAAGATGAGAAGAAAGCCAGAAAGCTTTGGGACAATTGGGCGCGTGTGCTGATAACTTG
 AGAAGGCATACCAATACCAAGAGGTGATGAGGAATCTGGTGAAGCGGTACGTGGCAGCCATGATCAGAG
 AGGCAAAAAGTGAAGAAGGCTTGACAGAGGAGAATGTTAAGGAACTAAAGCAAGACATTTCTAGCTTCCG
 CTTGCAAGTTCTGGGATTGCTCCGGGGAAGCAAGCTCTCAACAATACAGTCAGCCAACGACGAGTTCA
 GCCAGCTCCGCGGACTCCGATGAGAAGAGCCACAGCGAAGGTAATGGCAAGGACAAGAGAAAGAAATCTCA
 GCCTCTTTGATTTAACCCTCTGATCCACCCGCGGTGCGCAGTCAATGCCTCCGAGAGACATAACCTAAG
 CAATGGTTCTGCCCTGGTGGTGCAGGAGCCGCCAGGAGAAGCAGAGGAAAGTGAATTTTGTGGCTGAT
 ATCAAAAACCTCGGGTTATTTTATAGACGGTCAAAGCAAAATGCTGCTGAGCAAAAACGAAACCAATCT
 TCTCTGTTTTCAGAGAAATTAAGTCAACAGGCGGCAGGAGCACTTGAGAGAAATATCCAAGTGAATC
 CCAAGGATTAGCTTACGGGGTACCCGAGCATTCTGGTCTCAATGAACAGTGTGTGCTAGTAGACCAT
 AGAGAAAGGAATACGGCACTTTGGGTTTACAGGTAGGCAAGAGAGTGTGCTCCTCCTTCAAGTCGGAGA
 AGGTGGTGGTGAAGACACCGTCCCTATTATACCAAGGAGAAACACGCCAGGAGGAGGACTCAAGCAT
 AGATTATGATTTAAGCCCAACGACACAGTTGCCATGAAGATTATGTACCACGAGATTG**GA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_080396
Insert Size:	2934 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:	<u>NM_080396.1</u> , <u>NP_536321.1</u>
RefSeq Size:	3127 bp
RefSeq ORF:	2934 bp
Locus ID:	84494
Cytogenetics:	2q26
Gene Summary:	forms a receptor regulated cation channel; mediates calcium transport in response to histamine H1 receptor activation [RGD, Feb 2006] Transcript Variant: This variant (alpha) encodes the longer isoform (alpha).