

Product datasheet for **RN200251**

Trpc4 (NM_001083115) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trpc4 (NM_001083115) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trpc4
Synonyms:	Trp4; Trrp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200251 representing NM_001083115
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGTTCTATTACAAACGAAATGTCAACGCCCCCTACCGAGACCGCATCCCCTGAGGATCGTCA
 GGGCAGAACTGAACTCTCACCATCAGAGAAAGCCTACTTGAATGCCGTGGAAAAGGGGACTATGCAAG
 CGTCAAGAAATCTCTGGAGGAAGCCGAGATTTATTTTAAAATCAACATTAAGTGCATTGACCCCTTGGG
 AGGACTGCTCTTCTATTGCCATTGAAAATGAGAACCTGGAGCTGATTGAACTGTTGTTGAGTTTCAATG
 TCTATGTTGGCGATGCGCTACTTCACGCCATCAGGAAAGAGGTGGTGGAGCCGTGGAGCTACTGCTGAA
 CCACAAAAGCCAGCGGAGAGAAGCAGGTGCCCTCCATCCTCCTTGACAAAAGTTCTCTGAATTCACC
 CCAGACATCACGCCTATCATCTGGCTGCACATACAAAATTAATTATGAGATAATCAAACCTTTGGTCCAGA
 AGGGTGTCTCGGTGCCAGACCCACGAGGTCCGCTGTAAGTGTGTTGAGTGTCTCCAGCTCAGACGT
 GGACAGCCTCAGGCACTCAGGTCAGGCTCAACATCTACAAGGCTTTGGCCAGCCCTCGCTCATTGCG
 CTGTCAAGTGAAGACCCTTTCCTCACCGCCTTTCAGTTAAGCTGGGAGCTGCAAGAACTGAGTAAGGTGG
 AGAATGAATTCAGTCCGAGTATGAGGAGCTGTCTAGACAGTGCAAACAGTTTGCTAAGGACCTCCTAGA
 TCAGACACGGAGTTCAGAGAGCTGAAATCATTCTTAATTACCGTGATGACAATAGCCTGATCGAAGAA
 CAGAGTGGAAATGATCTTGCAGGCTAAAATTAGCCATTAAGTACCGTCAAAAAGAGTTTGTGCTCAGC
 CCAACTGCCAGCAGCTGCTCGCTTCCGCTGGTACGATGAGTTCACAGGCTGGAGGAGAAGACACTGGGC
 GGTGAAGATGGTGACATGTTTCATAATAGGACTACTCTCCCCGTCTTCCGTGTGCTACCTGATAGCT
 CCCAAAAGCCCACTTGGACTGTTTCATCAGAAAGCCATTTATCAAGTTTATCTGCCACACAGCCTCCTATC
 TGACCTTTTGTCTGCTGCTAGCCTCTCAGCACATCGACAGGTCAGACTTGAACAGGCAAGGATCC
 ACCACCAACCATCGTGGAGTGGATGATATTACCGTGGTCTGGGTTTTATATGGGAGAGATTAACAG
 ATGTGGGATGGCGGACTTCAGGATTACATCCAGACTGGTGAATCTAATGGACTTTGTGATGAACCTCT
 TGTATCTGGCACAATCTCCTTGAAGATTGTCGCATTTGTAAAGTACAGTGTCTGAACCCACGGGAATC
 ATGGGACATGTGGCACCCACCCTGGTGGCAGAGGCTTTATTCGCAATTGCAAACATCTCAGTTCCTC
 CGCCTGATCTCTGTTCACTGCCAATCTCACCTGGGCTCTGCAGATATCTTGGGAAGAAATGCTCC
 TGGACATCCTAAAGTTCTTATTCATATACTGCCTCGTGTGCTAGCTTTTCAAATGGCCTAAATCAACT
 GTACTTCTACTATGAAGAAACGAAGGGTTAAGCTGCAAAGGCATACGGTGCAAAACAGAACACCGG
 TTCTCCACGTTATTTGAGACTCTACAGTCCCTGTTTGGTCAATATTTGGACTCATCAATCTCTATGTTA
 CCAATGTCAAAGCCAGCATGAGTTCAGTGAATTTGTTGGGGCCACCATGTTGGCACATATAACGTCAT
 CTCTCTGGTTGTCTCCTGAACATGCTGATCGCTATGATGAATAATTCTTACCAACTAATTGCCGACCAC
 GCAGATATAGAGTGGAAATTTGCTCGAACAAGCTTTGGATGAGCTACTTTGAAGAAGGGGTACCTGC
 CTACACCTTTCAATGTCAATCCCAAGCCCAAGTCCCTGTGGTACCTGGTCAAGTGGATATGGACGCACTT
 ATGTAAGAAAAAGATGAGAAGAAAGCCAGAAAGCTTTGGGACAATTGGGCGCGTGTGCTGATAACTTG
 AGAAGGCATACCAATACCAAGAGGTGATGAGGAATCTGGTGAAGCGGTACGTGGCAGCCATGATCAGAG
 AGGCAAAAAGTGAAGAAGCTTGACAGAGGAGAATGTTAAGGAACTAAAGCAAGACATTTCTAGCTTCCG
 CTTGCAAGTTCTGGGATTGCTCCGGGGAAGCAAGCTCTCAACAATACAGTCAGCCACGACGAGTTCA
 GCCAGCTCCGCGGACTCCGATGAGAAGAGCCACAGCGAAGAAGAAATTACTCGTCAACAGCGCGCAGGAG
 CACTTGAGAGAAATATCCAAGTGAATCCCAAGGATTAGCTTACGCGGTGACCCGAGCATTCTGGTCT
 CAATGAACAGTGTGTGCTAGTAGACCATAGAGAAAGGAATACGGACACTTTGGGTTTACAGGTAGGCAAG
 AGAGTGTGCTCCTCCTCAAGTCGGAGAAGGTGGTGGTGAAGACACCGTCCCTATTATACCAAAGGAGA
 AACACGCCAGGAGGAGGACTCAAGCATAGATTATGATTTAAGCCCCACGGACACAGTTGCCATGAAGA
 TTATGTGACCACGAGATT**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001083115

Insert Size:	2682 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_001083115.1</u> , <u>NP_001076584.1</u>
RefSeq Size:	2875 bp
RefSeq ORF:	2682 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 (beta) has multiple differences in the coding region but maintains the reading frame, compared to variant alpha. This variant encodes isoform beta, which is shorter than isoform alpha.