

Product datasheet for **RR200251**

Trpc4 (NM_001083115) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR200251 representing NM_001083115
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGTTCTATTACAAACGAAATGTCAACGCCCCCTACCGAGACCGCATCCCACTGAGGATCGTCA
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence: >RR200251 representing NM_001083115
 Red=Cloning site Green=Tags(s)

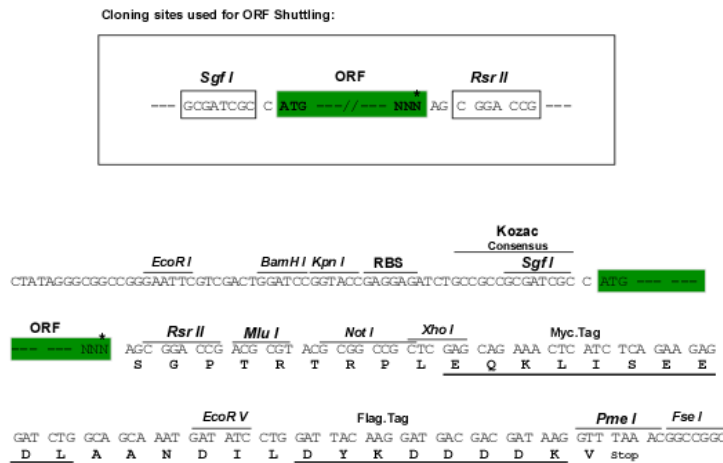
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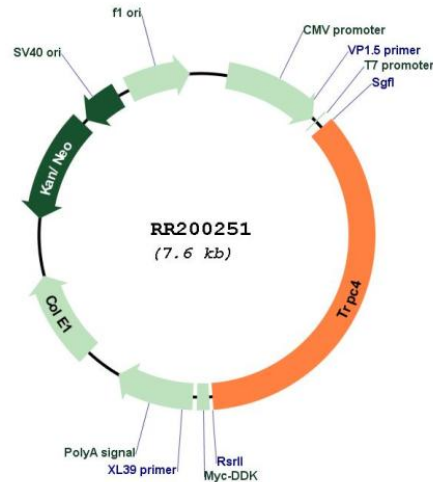
Restriction Sites:

SgfI-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001083115

ORF Size: 2679 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001083115.1](#), [NP_001076584.1](#)

RefSeq Size: 2875 bp

RefSeq ORF: 2682 bp

Locus ID: 84494

Cytogenetics: 2q26

MW: 102.4 kDa

Gene Summary: forms a receptor regulated cation channel; mediates calcium transport in response to histamine H1 receptor activation [RGD, Feb 2006]