

Product datasheet for MR221441

Rhox2g (NM_001114153) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhox2g (NM_001114153) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rhox2g
Synonyms: EG434766; Rhox2.7; Rhox2f
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221441 representing NM_001114153
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGACAAAGCATCAATTACAAGCTTGTGTGGACCTGAGGAGGATGAGGAAAATGCGAATGGTA
 TAAAGACTCTGATGGTGTGCTGGCTGGAGAGGGAAGAAACGAGGGAGAGAGTGGACGGGCTGCCTGG
 GTCGGGAGTCTCAGCAGCGGAAGGATACAGAGCAGGAGAATTAAGTGCAGGTGGGCTTGTGCGCCAGTA
 GCCGACCTCATGGATAACAACAACCAAGAGGACCTTGGTCCACTGGCTGTGCCAGGAGAAGGAGAAGC
 AGCCAGAGGAGCCAGTCCCTGATTCCATGGGGATTTGGAAAATGTAAGCCTATGTCAGGGCCGTGGTC
 CACTGTTAATCCTGTGAGAGTGTGGTGCCTGAATTCCTCACGTTGGCAACAGAGCTCAATGTGCTG
 CAACTACAAGAGCTGGAGAGCATCTCCAGTGAATCACTACATCAGCACTACAGAGGCAAAGTGTCTGG
 CAAGATCCATGGGTGTGAGTAAAGCCACAGTGCAGGAATGGTTTTTGAAGAGGAGAGAGAAAATACAGGAG
 TTATAAGAGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221441 representing NM_001114153
 Red=Cloning site Green=Tags(s)

MERQSYNYKLDVGPEDDEENANGIKTLMVLLAGEGRNEGESRGLPGSGVSAEYRAGELSAGGLAAPV
 ADLMDNNDLQEDLQATGCAQEKEKQPEEPVPDMSGDLENVKPMSGPWSVNPVVRVLPVPEFLHWQSFNVL
 QLQELSIQFNHYISTTEAKCLARSMGVSKATVQEWFLKRREKYRSYKRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

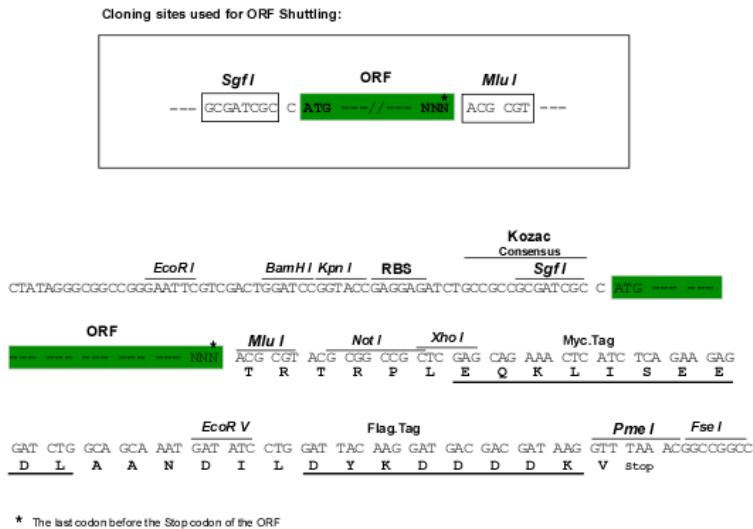


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Chromatograms: https://cdn.origene.com/chromatograms/mm9072_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001114153

ORF Size: 573 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_001114153.1](#), [NP_001107625.1](#)

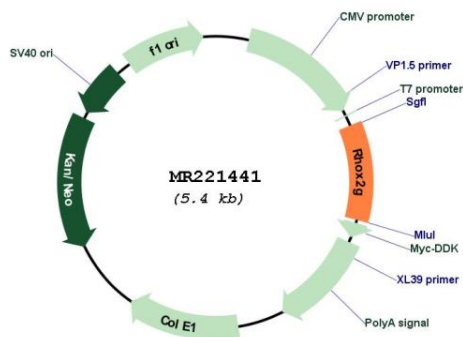
RefSeq Size: 800 bp

RefSeq ORF: 576 bp

Locus ID: 434766

Cytogenetics: X A3.3
 MW: 21 kDa

Product images:



Circular map for MR221441