

Product datasheet for **RR213296**

Rhox4g (NM_001024889) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rhox4g (NM_001024889) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rhox4g
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213296 representing NM_001024889
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCATCAAACACCAACTGCGTACTTCATGAGGGACTTGACGAAGATAAGGAAAAATTGAATGGTG
CAAAGGCACAGAAGGTTTTAGCAGATGGACAGGGTAGAAATGAGGGAGAGAGTGGACAGGACCAGCTGG
ATCTGAAGCAGCAGCAGCAGCAGATGGGGAAGGAGCAAAGAATTAAGTGGAGAAGTGGGCCCGCTGCT
GGCGCTGCAGGCCTCGTGGATAACAGGAACCAAGAGGACCATGGCACCAGAGGCAAAGACCAGGAGAACG
AGAAGCAGCCAGAGAAGCCAGTCCCTGAGGACATTGAGGTCTTAGAGAATGCGCAGCCTATTCCTGCT
GATAACTGGTGTGCAGCCTGTTCCAGTGTGATGCCTGACGTAAGCCTGTGTCGGTGTGGTACGCCAG
CGTAGCTTCCACTACAAGTTCCTCGGTGGCAGCTGCAGGAGATGGAGCGAATTTCCAGCAGAATCACT
TCATCGGTGCAGAAGAAAGAAGACATCTGGCAAGATGGATAGGTGTGAGTGAAGCCAGAGTTCAGAATTG
GTTTAAGGGAAGACGAGAACAATATAGGAGACAGCAGAAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213296 representing NM_001024889
Red=Cloning site Green=Tags(s)

MEHQNTNCVLHEGLDEDKEKLNKAKAQKVLADGQGRNEGESGQDQPGSEAAAAADGEGAKELSGEGGPAA
GAAGLVDNRNQEDHGTRGKDQENEKQPEKVPVEDIEVLENAQPIPVLITGVQVPVLPMPDVKPVSVLVRQ
RSFHYKFTRWQLQEMERIFQQNHFIGAEERRHLARWIGVSEARVQNWFKGRREQYRRQQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

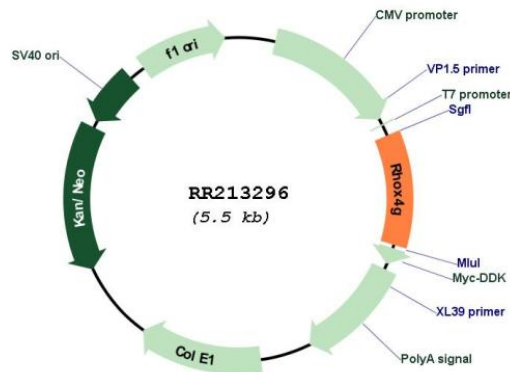


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001024889

ORF Size: 603 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:	<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_001024889.1, NP_001020060.1</u>
RefSeq Size:	829 bp
RefSeq ORF:	606 bp
Locus ID:	313451
Cytogenetics:	Xq35
MW:	22.5 kDa