

Product datasheet for **RR210627**

Rhod (NM_001106323) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rhod (NM_001106323) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rhod
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR210627 representing NM_001106323
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGAACGCGTCCCAGACTGAGGGAGAGGAGGCGCCGCACAGCGGGCGTCCGATCAAGTGGTCTAGTGG
 GCGACGGGGCTGCGGGAAGACGTCACTCATGATGGTCTTCGCCAACGGGGCCTCCCAGAGAGCTACAA
 CCCACGGTGTTTGAGCGCTATAACGCCACTCTGCAAAATGAAGGGTAAACCTGTGCGCCTCCAAATCTGG
 GACACAGCCGGGCAAGATGACTATGACCGCCTCCGGCCCTTGTCTATCCTGATGCCAATGTCTTGCTCC
 TCTGCTTCGATGTGACCAATCCAACAGTTTTGACAACGTCTCCAACCGTGGTACCCAGAGGTGACCCA
 TTTCTGCAAGGGGTGCCATTATTGTTGTGGGCTGCAAGATAGACCTGCGTAAGGACAAGGTGCTGGT
 AACACACTTCGGAAGAAAAGACTGGAGCCGGTACCTACCACAGGGGCCATGATATGGCAAGGTCTGTGG
 GAGCAGTGGCCTATCTCGAGTGTTCAGCTCGGCTCCATGACAACGTGGAAGCCGTCTCCAGGAAGCAGC
 TGAAGTGGCTCTCAGCAGTCGCAGTCATAACTTCTGGCGCGGATTACCCAGAATTTTTGCGTGGTCACC

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210627 representing NM_001106323
 Red=Cloning site Green=Tags(s)

MNASQTEGEEAPHSGRPIKVVLVGDGGCGKTSLMMVFANGAFPESYNPTVFERYNATLQMKGKPVRLQIW
 DTAGQDDYDRLRPLFYDPANVLLLCFDVTNPNSFDNVSNRWYPEVTHFCKGVPIIVVGCKIDLRKDKVLV
 NTLRKKRLEPVTYHRGHDMARSVGAVAYLECSARLHDNVEAVFQEAAEVALSSRSHNFWRRITQNFQVVT

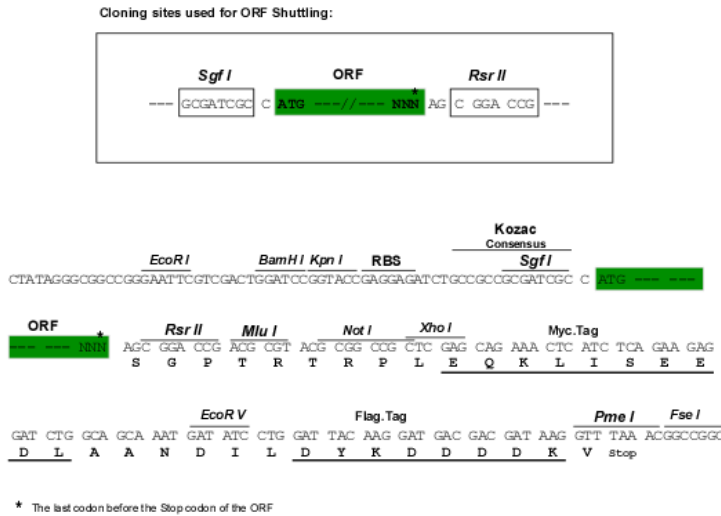
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

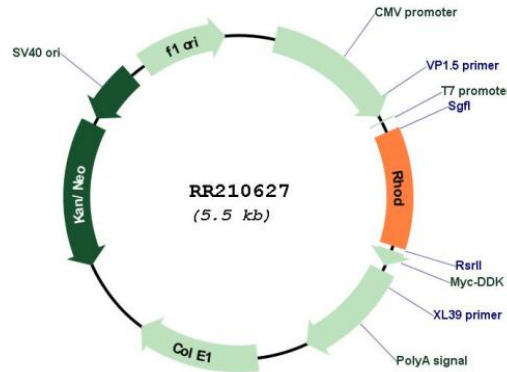


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001106323

ORF Size: 630 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_001106323.1, NP_001099793.1</u>
RefSeq Size:	1486 bp
RefSeq ORF:	633 bp
Locus ID:	293660
Cytogenetics:	1q43
MW:	23.7 kDa