

Product datasheet for **RR204894**

Rab38 (NM_145774) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab38 (NM_145774) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab38
Synonyms: R; Ruby
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204894 representing NM_145774
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACACCGCACAAAGGAGCACCTGTATAAGCTGCTGGTAATCGGCGACCTAGGTGTAGGCAAGACCA
GCATCATCAAGCGCTACGTGCACCAAACTTCTCTCCACTACCGGCCACCATTGGTGTGGACTTCGC
GCTGAAGGTGCTCCACTGGGACCCAGAGACGGTGGTGCCTGCAGCTCTGGGACATCGCAGGTCAAGAA
AGATTTGGTAACATGACAAGAGTCTATTACCGAGAAGCTATGGGAGCATTATTGTTTTTGTATGTCACCA
GACCAGCCACATTTGAAGCAGTGGCAAAATGGAAAAATGATTTGGACTCAAAGTTAACTCCTCAATGG
TAAGCCAGTATCAGTGGTTTTGTTGGCCAACAATGTGACCAAGGGAAGGATGTGCTTGTGAACAATGGA
CTCAAGATGGACCAGTTCTGCAAGGAGCATGGTTTCGTAGGATGGTTTGAACATCAGCCAAGGAAAATA
TAAACATTGATGAAGCGTCAAGATGCCTGGTCAAGCACATACTTGCAAAATGAGTGCGACTTCATAGAGTC
TATAGAACCGGACATTGTGAAGCCCCACCTCACATCACCAAGGTTGTCAGCTGCTCTGGCTGTGCCAAA
TCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204894 representing NM_145774
 Red=Cloning site Green=Tags(s)

MQTPHKEHLYKLLVIGDLGVGKTSIIKRYVHQNFSSHYRATIGVDFALKVLHWDPETVVRLQLWDIAGQE
 RFGNMTRVYYREAMGAFIVFDVTRPATFEAVAKWKNLDSKLTLPNGKPVSVLLANKCDQGDVLVNNG
 LKMDQFCKEHGFVGFETSAKENINIDEASRCLVKHILANECDIESIEPDIKPHLTSKVVVSSCGCAK
 S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

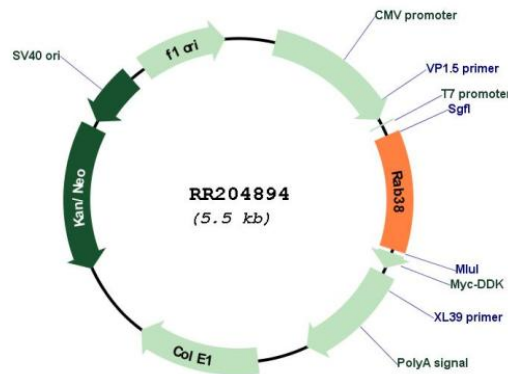
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_145774

ORF Size: 633 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:	NM_145774.2 , NP_665717.1
RefSeq Size:	1402 bp
RefSeq ORF:	636 bp
Locus ID:	252916
Cytogenetics:	1q32
MW:	23.8 kDa
Gene Summary:	a small G protein that is involved in intracellular vesicle transport [RGD, Feb 2006]