

## Product datasheet for **RR206604**

### Rab5a (NM\_022692) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab5a (NM\_022692) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rab5a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206604 representing NM\_022692  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTAATCGAGGAGCAACAAGACCCCAACGGGCCAAATACTGGAATAAAATATGCCAGTTCAACTGG  
TTCTTCTAGGAGAGTCTGCTGTTGGCAAATCAAGTCTGGTGCTTCGCTTTGTGAAAGGCCAATTTTCATGA  
GTTTCAAGAGAGTACCATTGGGGCTGCCTTTCTAACCCAACTGTGTCTTGATGACACAACAGTAAAA  
TTTGAAATATGGGATACAGCTGGCCAAGAACGGTATCATAGCCTAGCACCAATGTACTACCGAGGAGCAC  
AAGCCGCCATAGTTGTGTATGATATTACAAATGAGGAGTCTTTTCGAGAGCAAAAACTGGGTTAAGA  
ACTTCAAAGGCAAGCAAGTCTTAATATTGTGATAGCTTTGTCAGGAAACAAGGCTGACTTAGCAAATAAA  
AGAGCTGTTGACTTCCAGGAAGCACAGTCTATGCAGATGACAACAGCTTATTATTTATGGAGACATCAG  
CTAAGACATCAATGAATGTAATGAAATATTTATGGCAATAGCTAAAAAGCTGCCAAGAACGAACCACA  
AAATCCAGGCGCAAACCTAGCCAGAGGAAGAGGAGTAGACCTTACTGAGCCTGCACAGCCAGCCAGGAGT  
CAGTGTTGTAGTAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR206604 representing NM\_022692  
Red=Cloning site Green=Tags(s)

MANRGATRPNGPNTGNKICQFKLVLLGESAVGKSSLVLRVFKGQFHEFQESTIGAAFLTQTVCDDTTVK  
FEIWDTAGQERYHSLAPMYRGAQAAIVVYDITNEESFSRAKNWVKELQRQASPNIVIALSGNKADLANK  
RAVDFQEAQSYADDNSLLFMETSAKTSMNVNEIFMAIAKLLPKNEPQNPANSARGRGVDLTEPAQPARS  
QCCSN

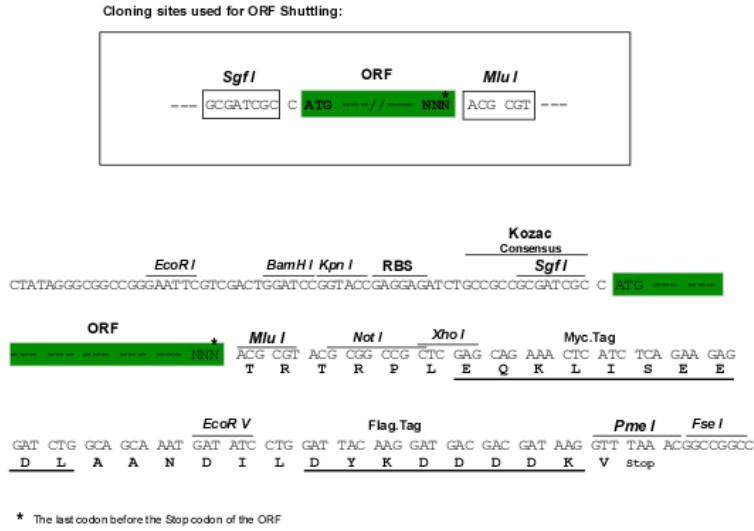
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



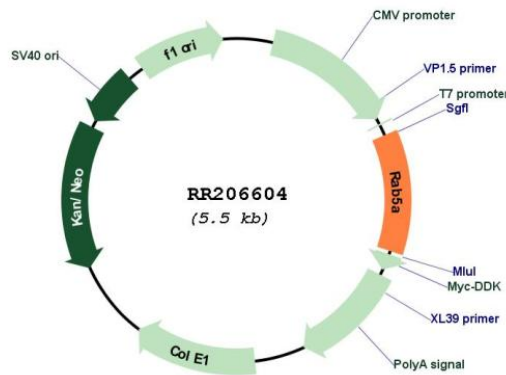
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_022692

ORF Size: 645 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_022692.1</a></u> , <u><a href="#">NP_073183.1</a></u>
<b>RefSeq Size:</b>	649 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	64633
<b>UniProt ID:</b>	<u><a href="#">M0RC99</a></u>
<b>Cytogenetics:</b>	9q11
<b>MW:</b>	23.6 kDa
<b>Gene Summary:</b>	low molecular weight GTP binding protein; may play a role in regulation of vesicular transport [RGD, Feb 2006]