

## Product datasheet for **RR204749**

### Rab3a (NM\_013018) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab3a (NM_013018) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab3a
Synonyms:	RAB3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204749 representing NM_013018 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCAGCCACAGACTCTCGATATGGGCAGAAGGAGTCTCAGACCAGAACTTCGACTATATGTTCA  
AGATCCTGATCATTGGTAACAGCAGTGTGGCAAACCTATTCTTTCCGCTACGCAGACGACTCTTT  
TACTCCAGCCTTTGTGCACTGTGGGCATAGACTTCAAGGTCAAACCATCTACCGCAATGACAAGAGG  
ATCAAGCTGCAGATCTGGGACACAGCAGGACAAGAGCGGTACCGAACCATCACCAGCCTACTACCGGG  
GCGCCATGGGCTTCATTCTAATGTATGACATCACCAATGAGGAGTCTTCAATGCAGTGCAGGACTGGTC  
CACTCAGATCAAACTTACTCATGGGACAATGCCAGGTGCTGCTGGTGGGAACAAGTGCACATGGAG  
GACGAGCGAGTGGTGTCTCAGAACGAGGCCGGCAGCTGGCCGACCACCTGGGCTTTGAGTTCTTTGAGG  
CCAGCGCAAGGACAACATTAATGTCAAGCAGACCTTTGAACGTCTGGTGGACGTGATCTGTGAGAAGAT  
GTCGGAGTCCCTAGATACTGCAGACCTGCAGTCACGGGTGCCAAGCAGGGCCCACAGCTCACCGACCAG  
CAGGCACCACCTCATCAGGATTGCGCCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204749 representing NM\_013018  
Red=Cloning site Green=Tags(s)

MASATDSRYGQKESSDQNFDYMFKILIIIGNSSVGKTSFLFRYADDSFTPAFVSTVGIDFKVKTIYRNDKR  
 IKLQIWDTAGQERYRTITTAYYRGAMGFILMYDITNEESFNAVQDWSTQIKTYSWDNAQVLLVGNKCDME  
 DERVSSERGRQLADHLGFEFFEASAKDNINVKQTFERLVDVICEKMSSELDADPAVTGAKQGPQLTDQ  
 QAPPHQDCAC

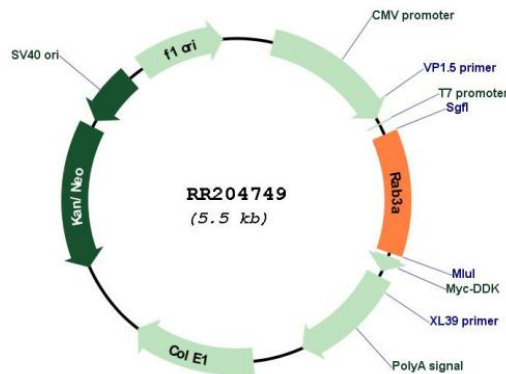
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_013018

**ORF Size:** 660 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_013018.2</a> , <a href="#">NP_037150.2</a>
<b>RefSeq Size:</b>	1404 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	25531
<b>UniProt ID:</b>	<a href="#">P63012</a>
<b>Cytogenetics:</b>	16p14
<b>MW:</b>	25 kDa
<b>Gene Summary:</b>	regulated synaptic vesicle endocytosis [RGD, Feb 2006]