

## Product datasheet for **RR202440**

### Rab27a (NM\_017317) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab27a (NM_017317) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab27a
Synonyms:	ram
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202440 representing NM_017317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGATGGAGATTATGACTACCTCATCAAGTTTTTGGCCTTGGGAGACTCTGGAGTGGGAAGACCA  
GTGTACTGTACCAGTACACTGATGGGAAGTTCAACTCCAAATTCATCACCACAGTGGGCATTGATTTTCAG  
GGAAAAGAGAGTGGTGTACAGAGCGAATGGACCAGATGGAAGTGTAGGCCGAGGCCAGAGAATTCACCTG  
CAGTTATGGGACACGGCGGGGCAGGAGAGGTTTTCGTAGCCTGACCACGGCATTCTTCAGGACGCTATGG  
GTTTCCTGCTTCTGTTTCGACCTGACAAAACGAGCAAAGTTTCTCAATGTCCGAAACTGGATAAGCCAGCT  
ACAGATGCACGCGTACTGCGAAAACCCAGATATAGTGCTCTGCGGAAATAAGAGTGACCTAGAAGACCAG  
AGGGCTGTGAAAGAGGAGGAAGCCAGGGAAGTCCGAGAGAAGTATGGAATCCCCTATTTTGAAACCGCG  
CTGCCAATGGGACAAACATAAGCCAAGCAATTGAGATGCTCCTGGACCTGATCATGAAGCGGATGGAGCG  
GTGTGTGGACAAATCCTGGATTCCAGAGGGGTGGTGGCGTCCAATGGCCATACTTCTACAGATCAACTC  
AGTGAGGAGAAGGAGAAGGGTTATGCGGCTGTAGTGAGGAGAAGGAGAAGGGTTATGCGGCTGT

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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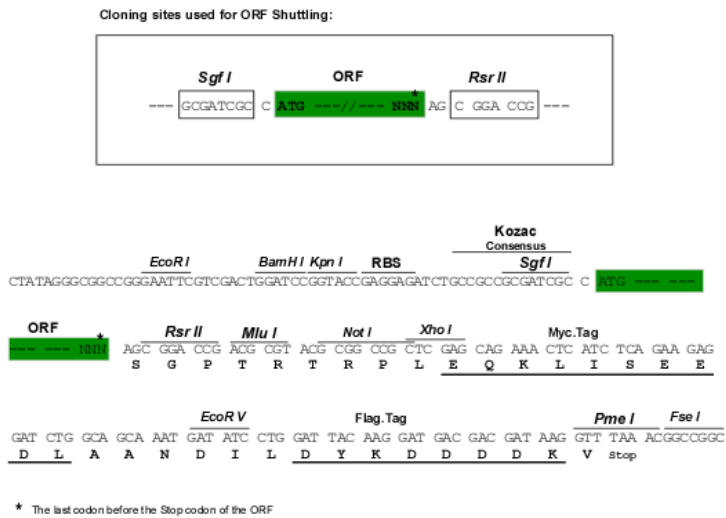
**Protein Sequence:** >RR202440 representing NM\_017317  
 Red=Cloning site Green=Tags(s)

MSDGDYDYLKFLALGDSGVGKTSVLQYTDGKFNKSFITTVGIDFREKRVVYRANGPDGTVGRGQRIHL  
 QLWDTAGQERFRSLTTAFFRDAMGFLLLFDLTNEQSFLNVRNWI SQLQMHAYCENPDIVLCGNKSDLEDQ  
 RAVKEEEARELAEKYGIPIYFETSAANGTNISQAIEMLLDLIMKRMERCVDKSWIPEGVVRSNGHTSTDQL  
 SEEKEKGLCGCSEEKEKGLCGC

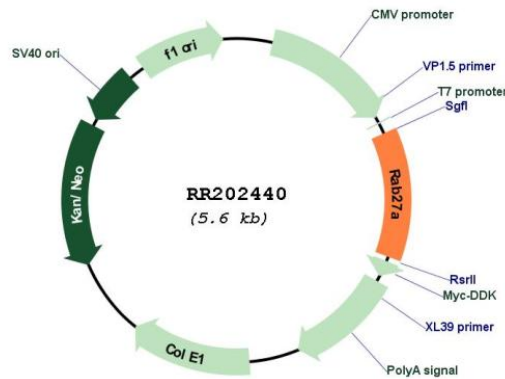
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_017317

**ORF Size:** 663 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 Size:</b>	2704 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	50645
<b>UniProt ID:</b>	<a href="#">P23640</a>
<b>Cytogenetics:</b>	8q24
<b>MW:</b>	25.1 kDa
<b>Gene Summary:</b>	a GTP-binding protein [RGD, Feb 2006]