

## Product datasheet for **RR207111**

### Rab3b (NM\_031091) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab3b (NM_031091) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab3b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207111 representing NM_031091 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCTCAGTAAGTGGTAACACTGGAATCAGAGATGCCTCTGACCAGAAGTTGACTACATGTTCA  
AACTGCTCATCTTGGCAACAGCAGCGTCGGGAAGACCTCCTTCTTTCCGCTATGCTGATGACACCTT  
CACCCCTGCCTTTGTGCACTGTGGTATCGACTTCAAAGTGAAGACAGTTTACCGTCATGAGAAGCGT  
GTGAAGCTGCAGATATGGGACACGGCAGGGCAAGAGCGGTACCGGACCATACCACAGCCTACTACCGG  
GGCCATGGGCTTCATTCTCATGTATGACATCACCAACGAGGAGTCCCTCAACGCTGTCCAGGACTGGGC  
TACTCAGATCAAGACCTACTCCTGGGACAACGCACAGGTCATTCTCGTGGGGAATAAATGTGATATGAA  
GAGGAAAGGGTATCCCGACTGAGAAGGGCCGGCTCCTAGCAGAGCAACTGGGTTTACTTCTTTGAAG  
CCAGTGCCAAGGAGAACATCAGTGTGAGGCAGGCCTTCGAGCGTCTGGTGGACGCCATCTGCGATAAGAT  
GTCTGACTCAATGGACACAGACCCCTCCGTGCTGGGCGCCTCCAAGACCACGGCTCTCGGACACCCCG  
CCGCTGCTCCAGCAGAACTGCTCTTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207111 representing NM\_031091  
Red=Cloning site Green=Tags(s)

MASVTDGNTGIRDASDQNFDFYMFKLLIIGNSSVGKTSFLFRYADDTFTPAFVSTVGIDFKVKTIVRHEKR  
VKLQIWDTAGQERYRTITTAYRGAMGFILMYDITNEESFNAVQDWATQIKTYSWDNAQVILVGNKCDME  
EERVIPTEKGRLLAEQLGFDFFEASAKENISVRQAFERLVDAICDKMSDSMDTDPVSLGASKTTRLSDTPL  
LLQQNCSC

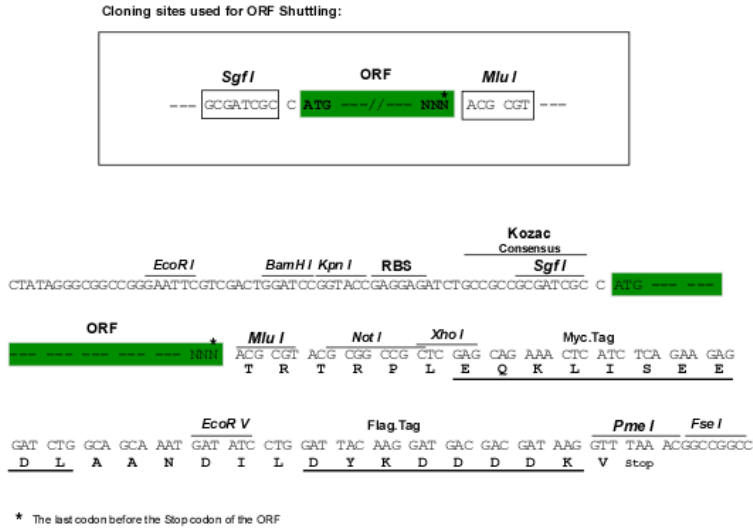
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



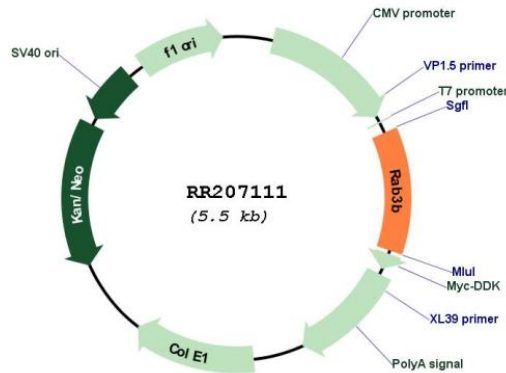
[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031091

ORF Size: 657 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>NM_031091.2, NP_112353.1</u>
<b>RefSeq Size:</b>	1159 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	81755
<b>UniProt ID:</b>	<u>Q63941</u>
<b>Cytogenetics:</b>	5q34
<b>MW:</b>	24.8 kDa
<b>Gene Summary:</b>	may play a role in secretory granule function and exocytosis in pancreatic acinar cells [RGD, Feb 2006]