

## Product datasheet for **RR214040**

### Rab25 (NM\_001107687) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Rab25 (NM\_001107687) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Rab25  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR214040 representing NM\_001107687  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAATCGAACAGATGAAGATTATAATTTGTCTTTAAGGTGGTACTGATCGGCGAGTCAGGCGTGG  
GCAAGACCAATCTGCTGTCCCGTTACCCGCAATGAATTCAGCCACGACAGCCGACACCACATCGGGT  
TGAGTTCTCCACCCGACTGTGATGCTGGGCACCGCTGCTCAAGGCACAGATCTGGACACAGCTGGT  
CTGGAGCGATATAGAGCCATCACCTCTGCGTACTATCGCGGAGCCGTAGGGGCACCTCTGGTATTTGACC  
TGACCAAGCACCAGACCTATGCTGTGGTGGAGCGCTGGCTAAAGGAACTGTATGACCATGCCGAAGCCAC  
AATCGTTGTATGCTTGTGGGAACAAAAGTGACCTCAGCCAGGCCGAGAGGTCCCACTGAGGAGCG  
TGCATGTTTGTGAGAACAATGGCCTGCTATTCTGGAGACCTCAGCCCTGGACTCCACCAATGTTGAGC  
TAGCCTTTGAGACTGTCTCAAAGAGATCTTTGCAAAGGTGTCCAAGCAGAGGCAGAACAGCACCCGGAC  
CAGTGCCATCACCTGGCAGTGCCCAAGCTGGACAGGATCCTGGACCTGGGAGAAGAGGGCCTGTTGC  
ATTGGCCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214040 representing NM\_001107687  
Red=Cloning site Green=Tags(s)

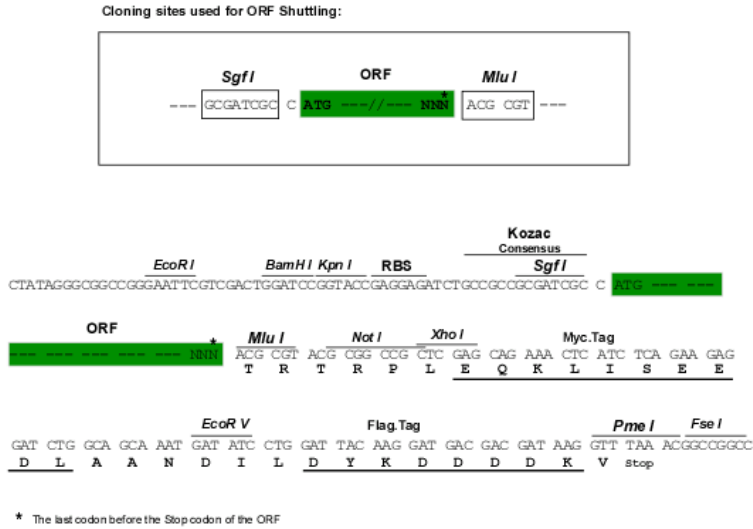
MGNRTDEDYNFVFKVVLIGESGVGKTNLLSRFTRNEFSDSRTTIGVEFSTRVLMGTAAVKAQIWDTAG  
LERYRAITSAYYRGAVGALLVFDLTKHQTAYVVERWLKELYDHAETIVVMLVGNKSDLQAREVPTTEEA  
CMFAENGLLFLETSALDSTNVELAFETVLKEIFAKVSKQRQNSTRTSAITLQSAQAGQDPGPEKRACC  
IGL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

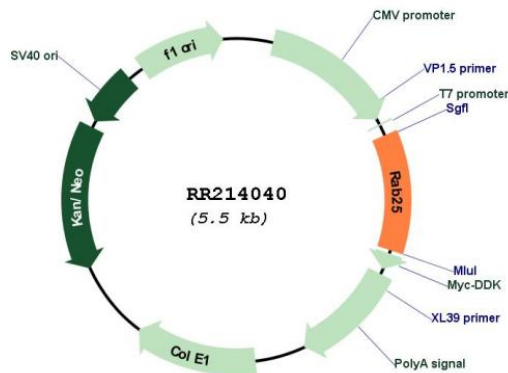


Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107687

ORF Size: 639 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_001107687.2, NP_001101157.2</u>
<b>RefSeq Size:</b>	1082 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	310632
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	23.4 kDa