

## Product datasheet for **RN204454**

### Rab34 (NM\_001012140) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab34 (NM\_001012140) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rab34  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204454 representing NM\_001012140  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACATTCTGGCCCCGTGCGGAGGGACCGCGTCCTGGCGGAGCTGCCCCAGTGCCTGAAGAAGGAGG  
CCGCTTTGCACGTGCGCAAAGACTTCCACCCCGGGTCACTTGCCTGCCAGGACACCGGACAGGCAC  
CGTGGGATTTAAAATATCCAAGTTCATCGTTGTGGGGGACCTATCTGTGGGAAGACCTGTCTTATAAT  
AGGTTCTGCAAAGACACCTTCGATAAAGAATTACAAGGCTACCATCGGAGTGGATTTTGGATGGAACGAT  
TTGAAGTCTTGGGTGTCCCTTCAGTCTCCAACCTTGGGACACTGCTGGTCAGGAGAGGTTCAAGTGCAT  
CGCTTCCACCTACTACAGAGGAGCACAAGCCATCATCATTGTCTTCAACCTGAATGACGTGGCATCCCTG  
GAACACTCCAAGCAGTGGCTCGCTGATGCCCTCAAGGAGAATGACCCCTCCAACGTGCTTCTCTTCTTG  
TGGGTTCCAAGAAGGATCTGAGTACTCCTGCTCAGTATTCCTAATGGAGAAGGATGCCCTCAAGGTGGC  
CCAAGAGATTAAGGCTGAGTATTGGTCACTGCTCCTCCCTCACAGGTGAGAACGTCGGGAATTCTTCTTC  
CGTGTGGCAGCGTAACCTTTGAGGCAATGTCCTGGCTGAACCTGGAGAAATCGGGATCTCGGCACATTG  
GGGATGTTGTTTCGCATCAACAGCGATGACAAAACTGTACCTAACTGCCAGCAAGAAAAAGGCCACATG  
TTGTCCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001012140  
**Insert Size:** 780 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_001012140.1</a></u> , <u><a href="#">NP_001012140.1</a></u>
<b>RefSeq Size:</b>	1326 bp
<b>RefSeq ORF:</b>	780 bp
<b>Locus ID:</b>	360571
<b>UniProt ID:</b>	<u><a href="#">Q5U1Y1</a></u>
<b>Cytogenetics:</b>	10q25
<b>Gene Summary:</b>	Protein transport. Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium. Plays a role in the fusion of phagosomes with lysosomes. Involved in the redistribution of lysosomes to the peri-Golgi region. Acts also as a positive regulator of hedgehog signaling and regulates ciliary function.[UniProtKB/Swiss-Prot Function]