

Product datasheet for **MC218230**

Rab34 (NM_001159482) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab34 (NM_001159482) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rab34
Synonyms: AI326479; Narr; Rah; Rah1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC218230 representing NM_001159482
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACATTCTGGCGCCCGTGGGAGGGACCGCTCCTGGCGGAGCTGCCCCAGTGCCTGAAGAAAGAGG
CCGCTTTGCACGTGCGCAAAGACTTCCACCCCGCGTCACTTGGCGCTGCCAGGAGCACCGGACAGGCAC
CGTGGGATTTAAGATATCCAAGTCACTGTTGTGGGAGACCTATCTGTGGGAAGACCTGTCTCATTAA
AGGTTCTGCAAAGACACCTTCGATAAAGAATTACAAGGCTACCATCGGAGTGGATTTTGAGATGGAACGAT
TTGAAGTCTTGGGTGTCCCTTCAGTCTCCAACCTTTGGGACACGGCTGGTCAAGAAAGTTCAAGTGCAT
TGCTTCCACCTACTACCGTGGAGCTCAAGCCATCATCATTGTCTTCAACCTGAATGACGTGGCATCCCTG
GAACACACCAAGCAGTGGCTCACTGATGCCCTCAAGGAGAACGACCCCTTCCAACGTGCTCCTCTTCTTG
TGGTTCCAAGAAGGACCTGAGTACTCCTGCTCAGTATTCCTAATGGAGAAGGATGCCCTCAAGGTGGC
CCAAGAGATTAAGGCCGAGTACTGGCGGTGTCTCCCTCACTGGTGAGAATGTCCGGGAATTTCTTCTC
CGTGTGGCAGCACTAACCTTTGAGGCCAATGTCTGGCGGAGCTGGAGAAATCCGGGGCTCGGCACATTG
CAGATGTTGTTTCGCATCAACAGCGATGACAAAAACCTGTACCTAACTGCCAGCAAGAAAAAGGCCACATG
TTGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159482
Insert Size: 780 bp



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OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001159482.1</u> , <u>NP_001152954.1</u>
RefSeq Size:	1376 bp
RefSeq ORF:	780 bp
Locus ID:	19376
UniProt ID:	<u>Q64008</u>
Cytogenetics:	11 46.74 cM
Gene Summary:	<p>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 (By similarity). Involved in the redistribution of lysosomes to the peri-Golgi region (PubMed:12475955). Acts also as a positive regulator of hedgehog signaling and regulates ciliary function (PubMed:29290584).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.</p>