

## Product datasheet for MR202332

### Rab4b (BC007147) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Rab4b (BC007147) Mouse Tagged ORF Clone                                    |
| Tag:                      | Myc-DDK  |
| Symbol:                   | Rab4b  |
| Synonyms:                 | 1500031G17Rik  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >MR202332 representing BC007147<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAGACCTACGACTTCCTCTTCAAATTCCTGGTGATTGGCAGTGCTGGAAGTGGCAAATCATGTC  
TTCTCCACCAGTTTATTGAGAATAAGTTCAAACAGGACTCCAACCACACTATCGGCGTGGAGTTTGGATC  
CAGGGTGGTCAACGTTGGGGGAAGACTGTGAACTACAGATTTGGGACTGCTGGCCAGGAGCGGTTT  
CGGTCGGTGACGCGGAGTTATTACCGAGGGCAGCTGGAGCCCTGCTGGTGTATGACATCACCAGCCGGG  
AGACATACAACTCACTCGCTGCTTGGCTAACTGATGCCCGGACTGACCAGCCCAACATCGTGGTCAT  
CCTCTGTGGCAACAAGAAGGACCTGGATCCCGAGCGTGAGGTCACTTTCCTAGAGCTTCTCGCTTGTCT  
CAGGAGAATGAGCTGATGTTCTGGAGACCAGCGCTCTCACGGGTGAGAATGTGGAAGAAGCTTTCCTCA  
AGTGCGCGCGCACCATCCTCAACAAGATCGACTCAGGTGAACTAGACCCAGAGAGGATGGGTTTCAGGCAT  
TCAGTATGGCGACATATCCCTCCGCCAGCTGCGGCAGCCTCGCAGCGCCAAGCCGTGGCCCTCAGCCC  
TGTGGCTGC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202332 representing BC007147  
Red=Cloning site Green=Tags(s)

MAETYDFLFKFLVIGSAGTGKSCLLHQFIENKFKQDSNHTIGVEFGSRVVNVGGKTVKQLIWDTAGQERF  
 RSVTRSYRGAAGALLVYDITSRETYNSLAAWLTDARTLASPNIIVILCGNKKDLDPEREVTFLEASRFA  
 QENELMFLETSALTGENVEEAFKLCARTILNKIDSGELDPERMGSGIQYGDISLRQLRQPRSAQAVAPQP  
 CGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9058\\_d12.zip](https://cdn.origene.com/chromatograms/mm9058_d12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC007147

**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.

**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:**

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:** [BC007147.1](#)

**RefSeq Size:** 1180 bp

**RefSeq ORF:** 641 bp

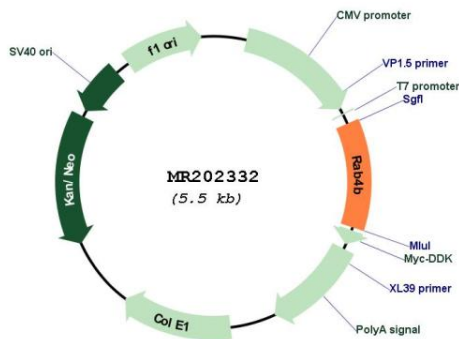
**Locus ID:** 19342

**Cytogenetics:** 7 15.84 cM

**MW:** 23.6 kDa

**Gene Summary:** Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202332