

## Product datasheet for MR202490

### Rab3b (NM\_023537) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab3b (NM_023537) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab3b
Synonyms:	2610528C18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202490 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCAGTGACTGATGGTAAGACTGGAATCAAAGATGCCTCCGACCAGAACCTTTGACTACATGTTCA  
AACTGCTCATCATTGGCAACAGCAGCGTCGGGAAGACCTCCTTCCTTTCCGCTATGCTGATGACACCTT  
CACCCCTGCCTTTGTGAGCACTGTGGGTATCGACTTCAAAGTGAAGACAGTCTACCGCCATGAGAAGCGT  
GTGAAGCTGCAGATATGGACACAGCTGGCAAGAGCGGTACCGGACCATCACCACAGCCTACTACCGTG  
GGCCATGGGCTTCATTCTCATGTATGACATACCAACGAGGAGTCTTCAATGCTGTCCAGGACTGGC  
TACTCAGATTAAGACCTACTCCTGGGACAACGCACAGGTATTCTCGTGGGAAATAAGTGTGACATGGAA  
GAGGAAAGAGTGGTCCCAACTGAGAAGGGCCGGCTCCTGGCAGAACAGCTTGGGTTTGACTTCTTTGAAG  
CCAGCGCCAAGGAGAACATCAGTGTGAGGCAGGCCTTCGAGCGGCTGGTGGATGCCATCTGCGATAAGAT  
GTCTGACTCGATGGACACAGACCCTCCGTGCTAGGCGCTCCAAGACGACGCGGCTCTCAGACACCCCA  
CCTCTGCTGCAGCAGAAGTCTTGT

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202490 protein sequence  
Red=Cloning site Green=Tags(s)

MASVTDGKTKGIKDASDNFDYMFKLLIIGNSSVGKTSFLFRYADDTFTPAFVSTVGIDFKVKTVYRHEKR  
 VKLQIWDTAGQERYRTITTAYYRGAMGFI LMYDITNEESFNAVQDQWATQIKTYSWDNAQVILVGNKCDME  
 EERVVPTEKGRLLAEQLGFDFFEASAKENISVRQAFERLVD AICDKMSDSMDTDP SVL GASKTTRLSDTP  
 PLLQQNCSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_023537

**ORF Size:** 660 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:** [NM\\_023537.5](#), [NP\\_076026.1](#)

**RefSeq Size:** 3320 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 69908

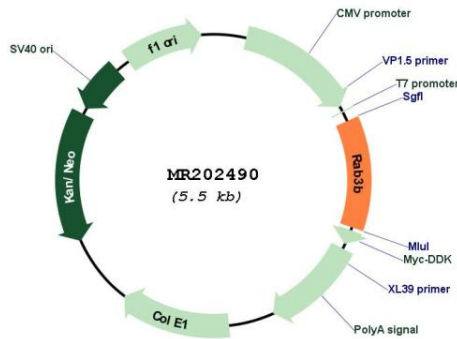
**UniProt ID:** [Q9CZT8](#)

**Cytogenetics:** 4 C7

**MW:** 24.8 kDa

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

### Product images:



Circular map for MR202490