

Product datasheet for **MR202222**

Rab6b (NM_173781) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab6b (NM_173781) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab6b
Synonyms:	9630015C03; A1844641; C330006L04Rik; D9Bwg0185e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202222 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCGAGGGGAGATTTTGGGAACCCGCTGCGAAAATTCAAGTTGGTTTTCTAGGGGAGCAGAGCG
TCGGGAAGACGTCTCTGATCAGGAGTTTCATGTATGACAGCTTCGACAACACCTACCAGGCAACCATCGG
GATTGACTTCTTGTCAAAAACCATGTACTTGAAGACCGTACGGTTCGACTGCAGCTCTGGGACACTGCT
GGGCAAGAGAGGTTCCGAGCCTGATCCCAGCTACATCCGAGACTCCACGGTGGCTGTGGTGGTATATG
ACATTACTAATCTCAACTCCTTCCAGCAGACTTCTAAATGGATTGATGACGTGAGGACGGAGAGGGGCAG
TGACGTGATCATCATGCTTGTGGGTAACAAGACGGATCTGGCTGATAAGAGGCAGATAACCATCGAGGAA
GGAGAACAGCGGGCCAAAGAACTGAGCGTCATGTTTCATCGAGACCAGCGGAAGACTGGCTACAACGTGA
AGCAGCTCTTCCGACGTGTGGCGTCAGCTCTGCCCGGCATGGAGAATGTCCAGGAGAAGAGCAAAGAAGG
GATGATTGACATCAAGCTGGACAAGCCTCAGGAGCCCCCGCCAGCGAGGGCGGCTGCTCCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR202222 protein sequence Red=Cloning site Green=Tags(s)
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MSAGGDFGNPLRKFLVFLGEQSVGKTSLITRFMYDSFDNTYQATIGIDFLSKTMYLEDRTVRLQLWDTA
GQERFRSLIPSYIRDSTVAVVVYDITNLNSFQQTSKWIDDVTERGSDVIIMLVGNKTDLADKRQITIEE
GEQRAKELSVMFIECTSAKTGYNVKQLFRRVASALPGMENVQEKSKEGMIDIKLDKPQEPASEGGCSC

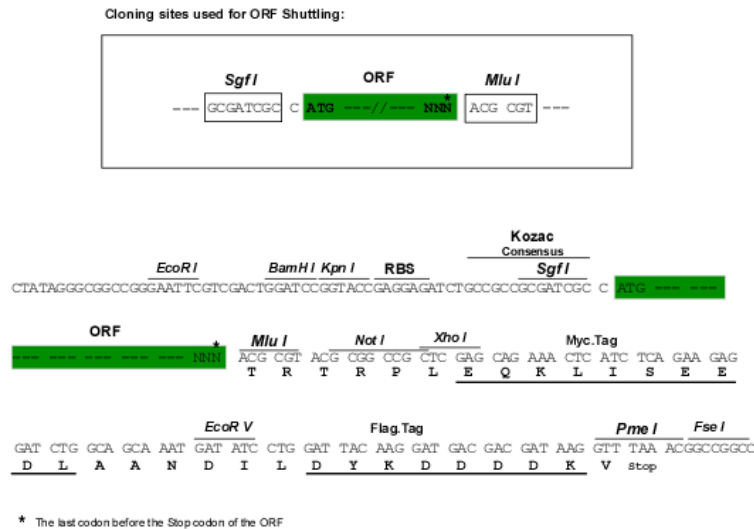
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173781

ORF Size: 624 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

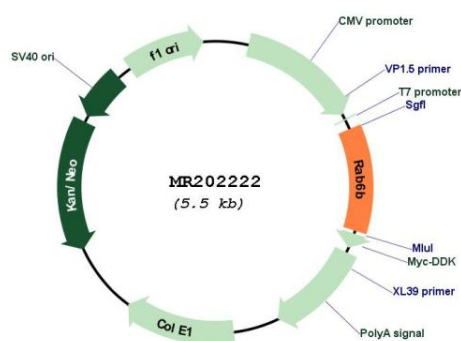
RefSeq: [NM_173781.4](#), [NP_776142.1](#)

RefSeq Size: 4734 bp

RefSeq ORF: 627 bp

Locus ID:	270192
UniProt ID:	P61294
Cytogenetics:	9 54.88 cM
MW:	23.5 kDa
Gene Summary:	Seems to have a role in retrograde membrane traffic at the level of the Golgi complex. May function in retrograde transport in neuronal cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202222