

Product datasheet for MG202222

Rab6b (NM_173781) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab6b (NM_173781) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rab6b
Synonyms: 9630015C03; A1844641; C330006L04Rik; D9Bwg0185e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202222 representing NM_173781
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGAGGGGAGATTTTGGGAACCCGCTGCGAAAATTCAAGTTGGTTTTCTAGGGGAGCAGAGCG
 TCGGGAAGACGTCTCTGATCAGGAGTTTCATGTATGACAGCTTCGACAACACCTACCAGGCAACCATCGG
 GATTGACTTCTTGTCAAAAACCATGTACTTGAAGACCGTACGGTTCGACTGCAGCTCTGGGACACTGCT
 GGGCAAGAGAGGTTCCGAGCCTGATCCCCAGCTACATCCGAGACTCCACGGTGGCTGTGGTGGTATATG
 ACATTACTAATCTCAACTCCTTCCAGCAGACTTCTAAATGGATTGATGACGTGAGGACGAGAGGGGCAG
 TGACGTGATCATCATGCTTGTGGTAACAAGACGGATCTGGCTGATAAGAGGCAGATAACCATCGAGGAA
 GGAGAACAGCGGGCCAAAGAACTGAGCGTCATGTTTCATCGAGACCAGCGGAAGACTGGCTACAACGTGA
 AGCAGCTCTTCCGACGTGTGGCGTCAGCTCTGCCCGGCATGGAGAATGTCCAGGAGAAGAGCAAAGAAGG
 GATGATTGACATCAAGCTGGACAAGCCTCAGGAGCCCCCGCCAGCGAGGGCGGCTGCTCCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202222 representing NM_173781
 Red=Cloning site Green=Tags(s)

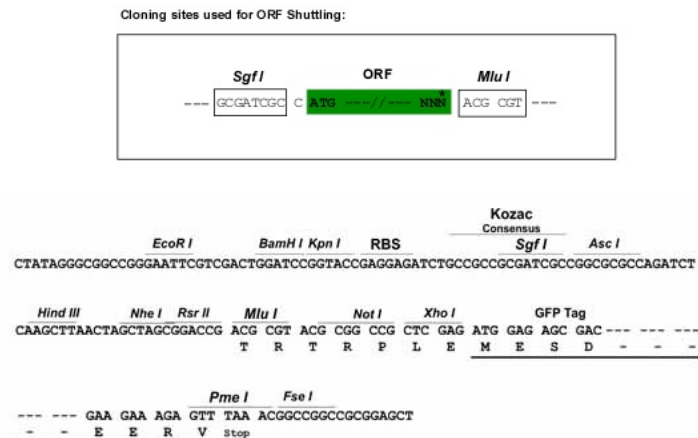
MSAGGDFGNPLRKFLVFLGEQSVGKTSLITRFMYDSFDNTYQATIGIDFLSKTMYLEDRTVRLQLWDTA
 GQERFRSLIPSYIRDSTVAVVVYDITNLSFQQTSKWIDDVRTERGSDVIIMLVGNKTDLADKRQITIEE
 GEQRAKELSVMIETSAKTGYNVKQLFRRVASALPGMENVQEKSEGMIDIKLDKPQEPPEGGCSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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

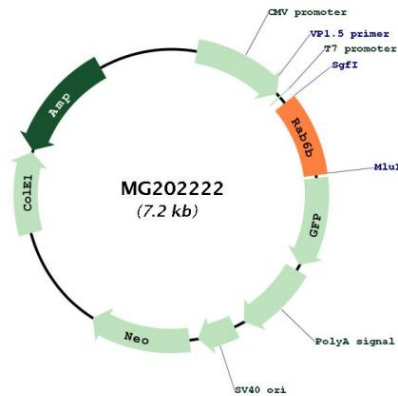
Locus ID: 270192

UniProt ID: [P61294](#)

Cytogenetics: 9 54.88 cM

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 MG202222