

Product datasheet for **MG202118**

Rab29 (NM_144875) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Rab29
Synonyms: Rab7II
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202118 representing NM_144875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCAGCCGAGATCACCTGTTTAAAGTCTGGTGGTGGGGGACGCCGCCGTTGGCAAGACGTCTCTGG
 TCCAGCGCTACTCCAGGACAGCTTTCAGCAAGCACTACAAGTCCACCGTGGGAGTGGATTTTGTCTCAA
 GGTTCTCCAGTGGTCTGACTCAGAGATGGTGGCGCTGCAGCTCTGGGATATTGCAGGGCAGGAGCGTTTC
 ACATCCATGACACGACTCTACTATAGAGATGCTTCTGCCTGTGTTATTATGTTTGACGTCACCAATGCCA
 CTACTTTTCAGCAACAGCCAAAGATGGAAACAGGATCTGGACAGCAAGCTCACACTACCCAGTGGGGAGCC
 AGTGCCTGCCTGCTCTTGGCCAACAAGAGTGATCTGTCCCCTTGGGCAGTGAGCCGGGACAGATCGAC
 CGGTTCAAGAGAATGGCTTTCAGAGTTGGACAGAAACATCAGTCAAGGAGAACAAAAATTAATG
 AGGCCATGAGAGTCTCGTTGAAAAGATGATGAACAATCCAGGGAAGATGTGATGTCTTTGTCCACCCA
 AGGGAACATCAATCTCCAAGCCAAGCCCTCCTCTGGCTGGACATGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202118 representing NM_144875
 Red=Cloning site Green=Tags(s)

MGRDHLFKVLVVGDAAVGKTSLVQRYSDSFSKHYKSTVGVDFALKVLQWSDSEMVRLQLWDIAGQERF
 TSMTRLYYRDASACVIMFDVTNATTFSNSQRWKQDLDSKLTLPSEPVPCLLLANKSDLSPWAVSRDQID
 RFSKENGFTGWTETSVKENKNINEAMRVLVEKMMNSREDVMSLSTQGNYLINLQAKPSSGWTC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_144875

ORF Size: 612 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_144875.1](#), [NP_659124.1](#)

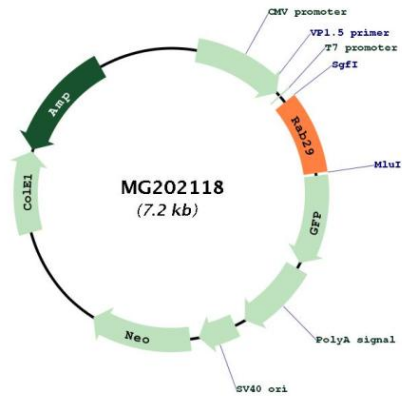
RefSeq Size: 1190 bp

RefSeq ORF: 615 bp

Locus ID: 226422

Cytogenetics: 1 E4

Product images:



Circular map for MG202118