

Product datasheet for **RR204047**

Rab29 (NM_133590) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab29 (NM_133590) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab29
Synonyms: Rab711
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204047 representing NM_133590
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAGCCGAGATCACCTGTTAAAGTGTGGTGGTGGGGACGCCGGTGGGTAAGACGCTACTGG
 TCCAGCGTACTCCAGGACAGCTTCAGCAAGCACTACAAGTCTACCGTGGGAGTGGATTTTGTCTGAA
 GGTTCAGTGGTCCGACTCAGAAATGGTGGCTCCAGCTGTGGGATATTGCAGGGCAGGAGCGTTTC
 ACATCCATGACAGCACTACTACCGAGATGCTTCTGCCTGTGTATCATGTTTGACGTACCAATGCCA
 CTACTTTCAGCAACAGCAACGATGGAACAGGATCTGGATAGCAAGCTCACACTGCCAGTGGGGAGCC
 AGTGCCCTGCTTCTTGGCCAACAAGAGTGATCTGTCCCTTGGGAGTGGAGCCGGGACCAGATTGAC
 CGGTTCAGCAAAGAGAACGGTTTTACGGGCTGGACAGAAACATCAGTCAAGGAGAAACAAAATATCAATG
 AGGCCATGAGAGTCTCGTGGAAAAGATGATGAACAATTCAGAGAAGATATAATGTCTTCGTCACCCA
 AGGGAACATCAATCTCCAGACCAACCCTCCCAGGCTGGACATGCTGC

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204047 representing NM_133590
 Red=Cloning site Green=Tags(s)

MGSRDHLFKVLVVGDAAVGKTSLVQRYSDSFSKHYKSTVGVDFAKVLQWSDSEMVRQLWLDIAGQERF
 TSMTRLYYRDASACVIMFDVTNATTFSNSQRWKQDLDSKLTLPSEGPVPCLLLANKSDLSPWAVSRDQID
 RFSKENGFTGWETTSVKENKNINEAMRVLVEKMMNNSREDIMSSSTQGNYNLQTKPSPGWTCC

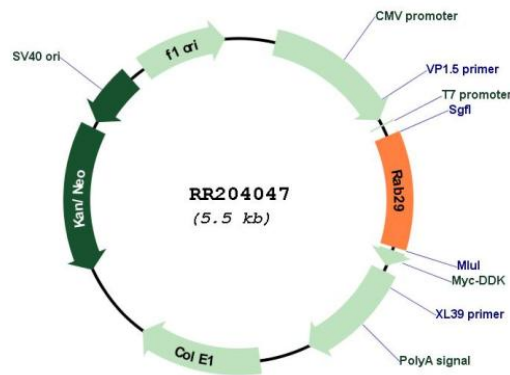
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_133590

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.

RefSeq: [NM_133590.1](#), [NP_598274.1](#)

RefSeq Size: 1251 bp

RefSeq ORF: 615 bp

Locus ID: 171122

UniProt ID: [Q63481](#)

Cytogenetics: 13q13

MW: 23.1 kDa

Gene Summary: binds GTP but does not display intrinsic GTPase activity [RGD, Feb 2006]