

Product datasheet for **RG206632**

RABIF (NM_002871) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RABIF (NM_002871) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RABIF
Synonyms: MSS4; RASGFR3; RASGRF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206632 representing NM_002871
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACCAGCGGAGCAGCCGAGCGAGTTAGTGTGAGCCGAGGGCCGAAACCGGAAGCGGTGCTGTGCC
 AGCGTTGCGGCTCCCGGTGCTGCAGCCAGGGACCGCTCTTCTCTCGCCGACAGCTTTTCCTCCCTC
 CATGAGAAAGAAGCCAGCTCTGTCTGACGGCAGCAATCCTGACGGCGATCTCTCCAGGAACACTGGCTG
 GTTGAGGACATGTTCAATTTTGAAGATGTGGGCTTACCAAGGACGTGGGCAACATCAAGTTTCTGGTCT
 GCGCAGACTGTGAAATTGGACCAATTGGCTGGCATTGCCTAGATGACAAGAACAGTTTCTATGTGGCCTT
 GGAACGAGTTTCCATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206632 representing NM_002871
 Red=Cloning site Green=Tags(s)

MEPAEQPSELVSAEGRNRKAVLCQRCSRVLQPGTALFSRRQLFLPSMRKKPALSDGSNPDGDLLEHHL
 VEDMFI FENVGFTKDVGNIKFLVCADCEIGPIGWHLDDKNSFYVALERSHE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_002871

ORF Size: 369 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_002871.5](#)

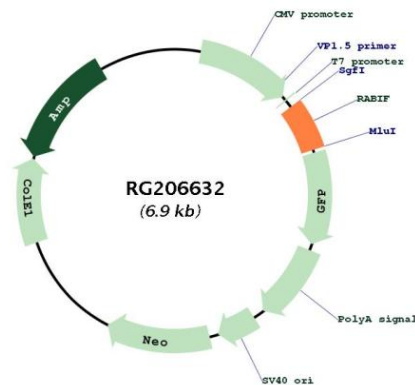
RefSeq Size: 2452 bp

RefSeq ORF: 372 bp

Locus ID: 5877
UniProt ID: [P47224](#)
Cytogenetics: 1q32.1
Domains: Mss4

Gene Summary: This gene encodes a member of the SCE4/YPT1/RAB family of small GTP-binding proteins that are involved in the regulation of intracellular vesicular transport. This protein stimulates GTP-GDP exchange in SEC4, and to a lesser extent in YPT1 and RAB3A, and may play a general role in vesicular transport. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RG206632