

Product datasheet for **RG201112**

PRA1 (RABAC1) (NM_006423) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRA1 (RABAC1) (NM_006423) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PRA1
Synonyms: PRA1; PRAF1; YIP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201112 representing NM_006423
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCGCAGAAGGACCAGCAGAAAGATGCCGAGGCGGAAGGGCTGAGCGGCACGACCCTGCTGCCGA
 AGCTGATTCCTCCGGTGCAGGCCGGGAGTGGCTGGAGCGGCCCGCGCACCATCCGGCCCTGGAGCAC
 CTTCTGGTGGACAGCAGCGCTTCTACGGCCCCGCAACCTGGGAGAGCTGTGCCAGCGCCTCGTACGCAAC
 GTGGAGTACTACCAGAGCAACTATGTGTTTCGTGTTCTCTGGCCTCATCCTGTACTGTGTGGTACGTC
 CTATGTTGCTGGTGGCTCTGGCTGCTTTTTTCGGCGCCTGTTACATTCTCTATCTGCGCACCTTGGAGTC
 CAAGCTTGTGCTCTTTGGCCGAGAGGTGAGCCCAGCGCATCAGTATGCTCTGGCTGGAGGCATCTCCTTC
 CCCTTCTCTGGCTGGCTGGTGCAGGCTCGGCCGCTTCTGGGTGCTGGGAGCCACCCTGGTGGTCATCG
 GCTCCACGCTGCCTTCCACCAGATTGAGGCTGTGGACGGGGAGGAGCTGCAGATGGAACCCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201112 representing NM_006423
 Red=Cloning site Green=Tags(s)

MAAQKDQKDAEAEGLSGTLLPKLIPSGAGREWLERRRATIRPWSTFVDQQRFSRPRNLGELCQRLVRN
 VEYYQSNYVFLGLILYCVVTSPELLVALAVFFGACYILYLRTLESKLVLFGREVSPAHQYALAGGISF
 PFFWLAGAGSAVFWLGATLVVIGSHAAFHQIEAVDGEELQMEPV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:



ACCN: NM_006423

ORF Size: 555 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_006423.3](#)

RefSeq Size: 770 bp

RefSeq ORF: 558 bp

Locus ID: 10567

UniProt ID: [Q9UI14](#)

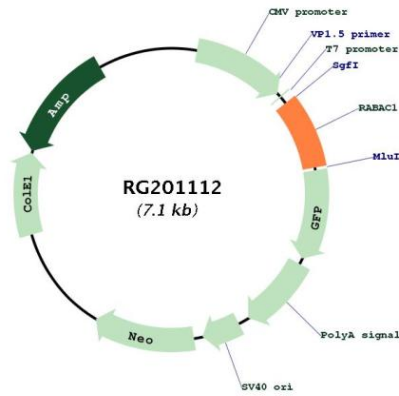
Cytogenetics: 19q13.2

Domains: PRA1

Protein Families: Transmembrane

Gene Summary: General Rab protein regulator required for vesicle formation from the Golgi complex. May control vesicle docking and fusion by mediating the action of Rab GTPases to the SNARE complexes. In addition it inhibits the removal of Rab GTPases from the membrane by GDI. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201112