

Product datasheet for **RG203564**

REG (NM_032918) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: REG (NM_032918) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: REG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203564 representing NM_032918
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAAAAGTGGGAGGTCAAACCTGGCAATATTTGGGAGAGCAGGCGTGGCAAGTCAGCTCTTGTAG
 TGAGATTTCTGACCAAACGGTTCATCTGGGAATATGATCCCACCCTCGAATCAACCTACCGACACCAAGC
 AACCATCGATGATGAAGTTGTTCCATGGAGATACTAGACACTGCTGGTCAGGAAGATACCATTGAGAGG
 GAGGGGCACATGCGATGGGGGAAGGCTTTGTGCTGGTCTACGACATTACTGACCGAGGAAGTTTGGAGG
 AAGTGTGCCACTTAAGAACATCCTAGATGAGATCAAAAAGCCCAAGAATGTACTCTCATCTTGGTTGG
 AAACAAAGCTGACTTGGACCACTCCAGGCAGGTTAGCACAGAAGAAGGAGAGAAGCTGGCCACAGAATTG
 GCTTGTGCTTTTTACGAGTGCTCTGCCTGCACTGGAGAAGGGAACATCACAGAGATATTCTATGAATTGT
 GTCGAGAGGTGCGTCGCCGGAGGATGGTGCAGGGCAAGACGAGGCGACGCAGCTCCACCACGCATGTCAA
 GCAAGCCATTAACAAGATGCTCACAAAATCAGTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203564 representing NM_032918
 Red=Cloning site Green=Tags(s)

MAKSAEVKLAIFGRAGVGKLSALVVRFLTKRFIWEYDPTLESTYRHQATIDDEVVSMEILDTAGQEDTIQR
 EGHMRWGEFVLYVDITDRGSFEEVLPKLNILDEIKPKNVTLILVGNKADLDHSRQVSTEEGEKLADEL
 ACAFYECSTACTGEGNITEIFYELCREVRRRRMVQKTRRRSSTTHVKQAINKMLTKISS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_032918

ORF Size: 597 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.

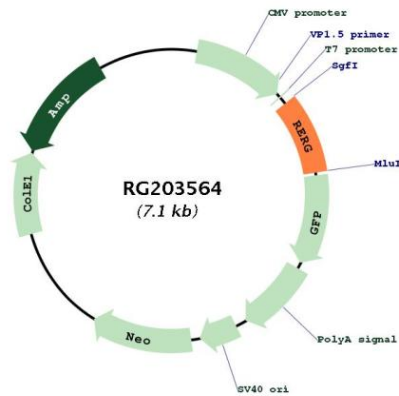
RefSeq: [NM_032918.3](#)

RefSeq Size: 2240 bp

RefSeq ORF: 600 bp

Locus ID: 85004
UniProt ID: [Q96A58](#)
Cytogenetics: 12p12.3
Domains: ras, RAS, RHO, RAB
Protein Families: Druggable Genome
Gene Summary: RERG, a member of the RAS superfamily of GTPases, inhibits cell proliferation and tumor formation (Finlin et al., 2001 [PubMed 11533059]).[supplied by OMIM, Mar 2009]

Product images:



Circular map for RG203564