

## Product datasheet for **RG231866**

### RIT2 (NM\_001272077) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RIT2 (NM\_001272077) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RIT2  
**Synonyms:** RIBA; RIN; ROC2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231866 representing NM\_001272077  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGTAGAAAATGAAGCCAGCTGCTCCCCGGGCAGCGCATCAGGCGGGTCCAGAGAGTACAAGGTGG  
 TAATGCTGGGAGCAGGGGAGTTGGTAAAAGCGCAATGACAATGCAGTTTATTAGTCATCAGTCCCTGA  
 TTATCATGACCCTACTATAGAAGATGCTTATAAGACCCAGGTGAGGATTGACAATGAGCCAGCTTACTTG  
 GACATCTTGGACTGCTGGCCAGGCAGAATTCACAGCCATGCGGGAGCAGTACATGCGAGGTGGGAAG  
 GCTTCATCATCTGCTACTCCGTCCTGACCGTCAATCATTTCAGGAGGCTGCCAAGTTTAAAGAGCTCAT  
 TTTTCAGGTCCGCCACACCTATGAAATCCCTGGTGCTGGTGGGTAACAAAATTGATCTGGAACAGTTC  
 CGCCAGCCTACTGAAAGAGTTTGAAGGGAAGAATTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231866 representing NM\_001272077  
 Red=Cloning site Green=Tags(s)

MEVENEASCSPGSASGGSREYKVVMLGAGVVGKSAMTMQFISHQFPDYHDPTIEDAYKTQVRIDNEPAYL  
 DILDTAGQAEFTAMREQYMRGEGFIICYSVTDQRSFQEAAKFKELIFQVRHTYEIPLVLVGNKIDLEQF  
 RQPTLKEFGREEF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001272077.1, NP_001259006.1</u>
<b>RefSeq Size:</b>	1166 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	6014
<b>UniProt ID:</b>	<u>Q99578</u>
<b>Cytogenetics:</b>	18q12.3
<b>Gene Summary:</b>	RIN belongs to the RAS (HRAS; MIM 190020) superfamily of small GTPases (Shao et al., 1999 [PubMed 10545207]).[supplied by OMIM, Mar 2008]