

## Product datasheet for **RG205112**

### **RAP1 (TERF2IP) (NM\_018975) Human Tagged ORF Clone**

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | RAP1 (TERF2IP) (NM_018975) Human Tagged ORF Clone                           |
| Tag:                      | TurboGFP  |
| Symbol:                   | TERF2IP   |
| Synonyms:                 | DRIP5; RAP1   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG205112 representing NM_018975<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGGCGATGGATTTGGGCAAAGACCCCAACGGGCCACCCATTCTCGACTCTGTTCTGTGAGGG  
ACGACGGCAGCTCCATGTCCTTCTACGTGCGGCCAGCCCGCCAAGCGTCGGCTGTCGACGCTCATCCT  
GCACGGCGGGCGCACCGTGTGCCGAGTGCAGGAGCCCGGGCCGTGCTGTCGGCCAGCCCGGGGAGGCG  
CTGGCCGAGGCCCTCGGGTATTTTCATCTCCACGCAGTACATCCTGGACTGCGTGGAGCGCAACGAGAGGC  
TGGAGCTGGAGGCCATCGGCTGGGCCCGCCTCGGCGGCGACACCGGCTCGGAAGCAAAGCCCGGGC  
CCTGGCCGAGGGCGCCGGAGCCGGAGCCGACGCGGCACGCGGGCGGATCGCCTTACGGATGCGGAC  
GACGTAGCCATCCTTACCTACGTGAAGGAAAATGCCCGCTCGCCAGCTCCGTCACCGGTAAACGCCTTGT  
GGAAAGCGATGGAGAAGAGCTCGCTCACGCAGCACTCGTGGCAGTCCCTGAAGGACCGCTACCTCAAGCA  
CCTGCGGGGCCAGGAGCATAAGTACCTGCTGGGGACGCGCCGGTGGAGCCCTCTCCAGAAGCTCAAG  
CGGAAGGCGGAGGAGGACCCGGAGGCCGGATAGCGGGAAACCAGAATAAGAGAAGTCCAGATTTGC  
CTGAAGAAGAGTATGTGAAGGAAGAAATCCAGGAGAATGAAGAAGCAGTCAAAAAGATGCTTGTGGAAGC  
CACCCGGAGTTTGAGGAGTTTGGTGGATGAGAGCCCTCCTGATTTTGAATAACATAACTATGTGT  
GATGATGATCCACCCACACCTGAGGAAGACTCAGAAACACAGCCGTGATGAGGAGGAAGAAGAAGAAG  
AAAAAGTTTCTCAACCAGAGGTGGGAGCTGCCATTAAGATCATTGCGCAGTTAATGGAGAAGTTAACTT  
GGATCTATCAACAGTTACACAGGCCTTCTAAAAAATAGTGGTGAAGTGGAGGCTACTTCCGCCTTCTTA  
GCGTCTGGTCAGAGAGCTGATGGATATCCATTTGGTCCCACAAGATGACATAGATTTGCAAAAAGATG  
ATGAGGATACCAGAGAGGCATTGGTCAAAAATTTGGTCTCAGAATGTAGCTCGGAGGATTGAATTTCC  
AAAGAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

**Protein Sequence:** >RG205112 representing NM\_018975  
 Red=Cloning site Green=Tags(s)

MAEAMD LGKDPNGP THSSTLFV RDDGSSMSFYVRPSPAKRRLSTLILHGGGTVC RVQEPGAVLLAQPGEA  
 LAEASGDFISTQYILDCVERNERLELEAYRLGPASAADTGSEAKPGALAEAAEPEPQRHAGRIAF TDAD  
 DVAILT YVKENARSPSSVTGNALWKAMEKSSLTQHSWQSLKDRYLKHLRGQEHKYL LGDAPVSPSSQKLLK  
 RKAEEDPEAADS GEPQNKRTPDLP EEEYVKEEIQENEEAVK KMLVEATREFEEVVVDESPPDFEIHITMC  
 DDDPPTPEEDSETQPDEEEEEEEKVSQPEVGAAIKIIRQLMEKFNLDLSTVTQAF LKNSGELEATS AFL  
 ASGQRADGYPIWSRQDDIDLQKDD EDTREALVKKFGAQN VARRIEFRKK

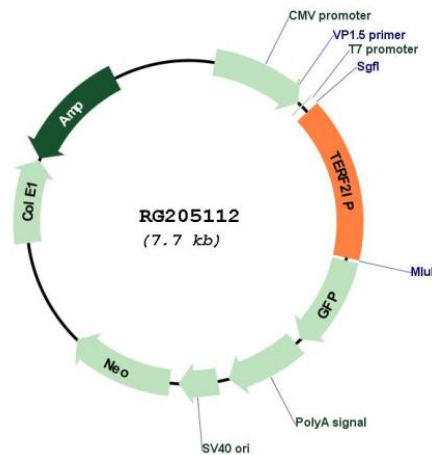
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_018975

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1197 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>                | <a href="#">NM_018975.4</a>   |
| <b>RefSeq Size:</b>           | 2146 bp   |
| <b>RefSeq ORF:</b>            | 1200 bp   |
| <b>Locus ID:</b>              | 54386   |
| <b>UniProt ID:</b>            | <a href="#">Q9NYB0</a>  |
| <b>Cytogenetics:</b>          | 16q23.1   |
| <b>Protein Families:</b>      | Transcription Factors   |
| <b>Gene Summary:</b>          | The gene encodes a protein that is part of a complex involved in telomere length regulation. Pseudogenes are present on chromosomes 5 and 22. [provided by RefSeq, Apr 2010]  |