

## Product datasheet for **RG216000**

### FRG2 (NM\_001005217) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FRG2 (NM_001005217) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FRG2
Synonyms:	FRG2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216000 representing NM_001005217 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAAAGGGAAATGAAGACTCCGATCTCCACTGCTCCTCCATCCAGTGCTCCACTGACCAGCCCCCTT  
TCCAACAGATCTCCTTTACAGAAAAGGGCTCAGATGAGAAGAAACCATTCAAAGAAAAGGCAAGACCGC  
CTTCTCCATTCCAGTGAGAAGCACATACAAAGGCAAGGATCGGAGCCCAATCCAACAAGGAGAATTCT  
GAGGAAACCAAGCTCAAGGCCGGAACAGCACTGCTGGATCAGAACCAGAGTCCAGCTCATATCGGGAAA  
ACTGCAGGAAAAGAAAAATGAGTTCCAAGGACAGCTGCCAAGACACAGCAGGGAAGTGTCCAGAAAAGGA  
GTGCAGCTTGTCATTGAATAAAAAATCAAGATCCTCCACTGCTGTGCACAACAGTGAAATCCAGGAGACC  
TGTGATGCCACCATAGGGGACATTCCAGGGCTTGCCTGGGCACAGCAAGCGGCATAGGCTCTGGGCCC  
TAGGAGTCCAACACCGTCAATTCGAAAAGCTTGGTGACTTCTGTGCGAGCTATGTGAGGCTGTTTA  
TCAAGACCTAGCCAGGTGTGGGCACAGCAGATCCATTCTCCACTTACCTGTGAGCAGCTGACACTGCTC  
ACTCGGCTCCGGGGCCCTCTGTGTGCCAGGTGCAGACCTTGATTCCATGGCCACCCAGGCAGCTTATG  
TCTTCCCTGCTGAGAGCTGGCTGTGCCAGCCACTGCCAGGTCCTGGGAATCAGCCCTGGATAGAGA  
AGCCCATCCCTTCCCTGGGCAGGAGATAACTGAGACTGTCAGTGGATCAGATGAGGCTAAGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG216000 representing NM\_001005217  
 Red=Cloning site Green=Tags(s)

MGKGNEDSDLHCSSIQCSTDQPPFQQISFTEKGSDEKKPFKEKGKTAFSHSSEKHIQRQGSEPNPNKENS  
 EETKLKAGNSTAGSEPESSSYRENCRRKRMSSKDSCQDTAGNCPEKECSLSLNKKSRSSSTAVHNSEIQET  
 CDAHHRGHSRACTGHSKRHRSRALGVQTPSIRKSLVTSVRAMSEAVYQDLAQVWAQIHSPLTCEQLTLL  
 TRLRGPLCAQVQTLYSMATQAAYVFPAESWLVPATLPGPGESALDREAHPPFPGQEITETVSGSDEAKL

TRTRPLE - GFP Tag - V

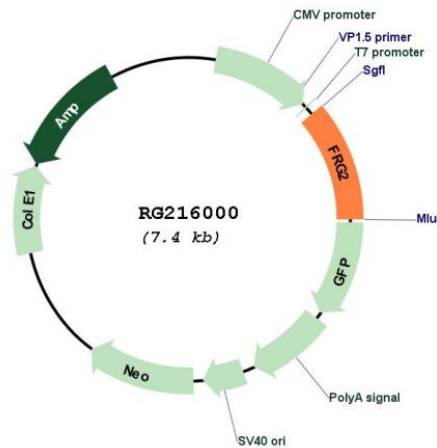
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001005217

**ORF Size:** 834 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_001005217.4</a>
<b>RefSeq Size:</b>	2084 bp
<b>RefSeq ORF:</b>	837 bp
<b>Locus ID:</b>	448831
<b>UniProt ID:</b>	<a href="#">Q64ET8</a>
<b>Cytogenetics:</b>	4q35.2