

## Product datasheet for **MG202868**

### **Rpia (BC053526) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpia (BC053526) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rpia
Synonyms:	RPI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202868 representing BC053526 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCAAGGCCGAGGAGGCTAAGAAGCTGGCGAGCCACACGGCGGTGGAGAACCACGTGAAGAATAACC  
AAGTGCTGGGAATTGGAAGTGGTTCTACAATTGCCACGCTGTGCAGCGAATAGCTGAAAGAGTGAAGCA  
AGAGAATCTGGACCTCATCTGCATCCCCACATCTTCCAGGCCAGGCAGCTTATCTTGCAGTATGGCTTA  
ACCCTCAGTGACCTGGATCAACACCCAGAGATTGACCTTGCCATCGATGGTGTGACGAAGTGGATGCTG  
AGCTCAATCTCATCAAGGGTGGAGGAGGCTGCCTGACCCAGGAGAAGATCGTGGCTGGTTATGCAAGTCG  
TTTCATTGTGATTGCTGATTTCCAGGAAAGATTCAAAGAACCTCGGGGATCGGTGGACAAGGGGATCC  
ATTGAAGTCATCCAATGGCCTACGTCCCAGTGAGCCGGGCTGTGGCCAGAAAGTTGGGGGTGAGGTGG  
AACTTCGAATGGCTGTCAACAAGGCAGGGCCAGTGGTGACGGATAACGGGAATTTATCCTGGACTGGAA  
GTTTGACCGGGTGCATAAATGGAGTGAAGTGAACACAGCTATCAAAATGACTCCAGGCGTGGTGGACACA  
GGCCTTTTCATCAACATGGCAGAGAGAGTCTACTTTGGGATGCAGGATGGCTCAGTGAACGTGCGGGAGA  
AGCCCTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202868 representing BC053526  
 Red=Cloning site Green=Tags(s)

MSKAEAEAKKLASHTAVENHVKNQVLGIGSGSTIVHAVQRIAERVKQENLDLICIPSTFQARQLILQYGL  
 TLDLQHPIDLAIDGADEVDAELNLKGGGGCLTQEKIVAGYASRFIVIADFRKDSKNLGDRWHKGIP  
 IEVIPMAYVPSRAVAQKFGGEVELRMAVNKAGPVVTDNGNFILDWKFDRVHKWSEVNTAIKMTPGVVD  
 GLFINMAERVYFGMQDGSVNVREKPF

TRTRPLE - GFP Tag - V

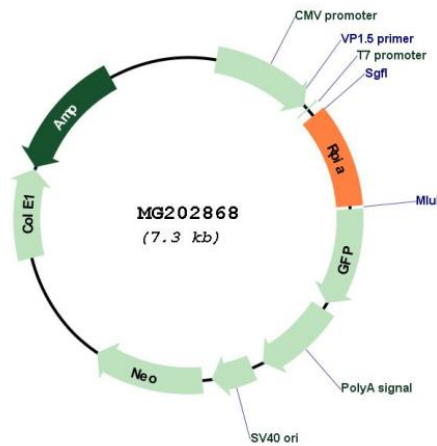
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC053526

ORF Size: 710 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="#">BC053526</a> , <a href="#">AAH53526</a>
<b>RefSeq Size:</b>	1617 bp
<b>RefSeq ORF:</b>	710 bp
<b>Locus ID:</b>	19895
<b>Cytogenetics:</b>	6 32.06 cM