

## Product datasheet for **MG217390**

### Rpia (NM\_009075) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpia (NM_009075) 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:	>MG217390 representing NM_009075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCGCCCCGGGCCCTTCAGCACCTCTACGGCGGGTCCTGGCCCCACTGCCCGGGCGGGCCGGG  
GCGCGCCTCGGGCGGGGCGGGAACAACCTGGGCCTCTCGGTTCCACGTGCAGTTGCCGGGCGTG  
ACATTCGAGACCCGCGGCGACAAGGGAGGCTCGAGCGGGCGGCCCGCCCCCTCCACGATGTCCAAG  
GCCGAGGAGGCTAAGAAGCTGGCGAGCCACACGGCGGTGAGAACCACGTGAAGAATAACCAAGTGCTGG  
GAATTGGAAGTGGTTCTACAATTGTCCAGCTGTGCAGCGAATAGCTGAAAGAGTGAAGCAAGAGAATCT  
GGACCTCATCTGCATCCACATCTTTCCAGGCCAGGCAGCTTATCTTGCAGTATGGCTTAACCCCTCAGT  
GACCTGGATCAACACCCAGAGATTGACCTTGCCATCGATGGTGTGACGAAGTGGATGCTGAGCTCAATC  
TCATCAAGGGTGGAGGAGGCTGCCTGACCCAGGAGAAGATCGTGGCTGGTTATGCAAGTCGTTTCATTGT  
GATTGCTGATTTCAAGAAAGATTCAAAGAACCTCGGGATCGGTGGCACAAGGGGATTCCCATTTGAAGTC  
ATCCCAATGGCCTACGTCCAGTGAGCCGGGCTGTGGCCAGAAGTTTGGGGTGAGGTGGAACCTTCGAA  
TGGCTGTCAACAAGGCAGGGCCAGTGGTGACGGATAACGGGAATTTATCCTGGACTGGAAGTTTGACCG  
GGTGCATAAATGGAGTGAAGTGAACACAGCTATCAAAATGACTCCAGGCGTGGTGACACAGGCCCTTTC  
ATCAACATGGCAGAGAGAGTCTACTTTGGGATGCAGGATGGCTCAGTGAACGTGCCGGGAGAAGCCCTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217390 representing NM\_009075  
 Red=Cloning site Green=Tags(s)

MQRPGPFSTLYGRVLA LPLPGRAGGAASGGGGNNWGLSGSHVQLPGRAHSETRGDKGGSSAGGPAPSTMSK  
 AEEAKKLASHTAVENHVKNQVLGIGSGSTIVHAVQRIAERVKQENLDLICIPTSFQARQLILQYGLTSL  
 DLDQHPEIDLAIDGADEVDAELNLIKGGGGCLTQEKIVAGYASRFIVIADFRKDSKNLGDWRWHKGIPIEV  
 IPMAYVPSRAVAQKFGGGEVELRMAV NKAGPVVTDNGNFI LDWKFD R VHKWSEVNTAIKMTPGVVDTGLF  
 INMAERYVFGMQDGSVNVREKPF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_009075

**ORF Size:** 909 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.

**RefSeq:** [NM\\_009075.2](#), [NP\\_033101.2](#)

**RefSeq Size:** 1789 bp

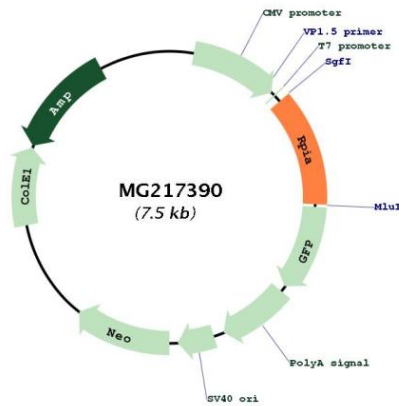
**RefSeq ORF:** 912 bp

**Locus ID:** 19895

**UniProt ID:** [P47968](#)

**Cytogenetics:** 6 32.06 cM

**Product images:**



Circular map for MG217390