

## Product datasheet for **MG214386**

### Ap1ar (NM\_145964) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap1ar (NM\_145964) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ap1ar  
**Synonyms:** AA407621; C78909; Gadkin  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG214386 representing NM\_145964  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAACTGCTGCTGGACGCAATGCTTCGGGCTGCTCCGCCGGAAGCGGGTCGGCTGCAGCGAGCGG  
 GCGGAGGATCAAAGTATTTAGGACATGCCAAGAGGAGAGCACTTGACCATAGAGTTTGAACCTCGT  
 GGAGAGTGATGAGGGGAGAGCCCAGGAAGCAGCCATAGGCCACTCACTGAAGACGAAATCGCTGACTTA  
 CAGGAGCGGCATTATGATTCTATTGCAGAAAAGCAGAAAAGATGTGGATAGGAAAATCCAGAGGCAGTTAG  
 CCTTACAAGAGGAGAAGTTAAGACTAGAAGAGGAGGCTTTATACGCTGCCAGCGTGAAGCAGCCAGGGC  
 AGCAAGGCAGCGGAAGCTCCTGGAGCAAGAAAAGCAGAGAGTTGCTCAGCACTATCATTGCAGCAGTGGA  
 GACTATCAAAGTGACAGGACCAGAGGACGACTTTGAATCTTCTTAAGAAACATAAAGTCACAGTATGAAG  
 TGTTTTCGGAGCAGTAGACTCTCCTCTGACGCCACAGTGCTGACACCAAACACCGAGAGCAGCTGTGACCT  
 GATGACCAAAACCAATCAACGAGTGAAATGACGACAGCACCTCCTTAGACCTAGAGTGGGAAGATGAA  
 GAAGGAATGAACAGGATGCTGCCATGAGGGAGCGCTCCAAGACAGAGGAAGACATCCTGCCGGCAGCAC  
 TGAAGTACAGCAGCAAGAAGGGCAGCAACCCACGTCCGCCTCGGATGACTCCAACGGGCTGGAGTGGGA  
 GAACGACTTTGTCAGTGCCGAGATGGACGACAACGGCAACTCTGAGTACTCCGGGTTTGTGAACCTGTG  
 TTAGAAGTGTGGATTCTGCCATCAAGCAGTCTGATACAGACCAGCAGATCCGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214386 representing NM\_145964  
Red=Cloning site Green=Tags(s)

MGNCCWTQCFGLLRREAGRLQRAGGSKYFRTCPRGEHLTIEFENLVESDEGESPGSSHRPLTEDEIADL  
 QERHYDSIAEKQKDVDRKIQRQLALQEEKLRLEEEALYAAQREAAARQRKLLLEQEKQVAQHYHCSSG  
 DYQSAGPEDDFESSLRNIKSQYEVFRSSRLSSDATVLPNTESSCDLMTKTKSTSGNDDSTSLDLEWEDE  
 EGMNRMLPMRERSKTEEDILRAALKYSSKKGSNPTASDDSNLEWENDFVSAEMDDNGNSEYSGFVNPV  
 LELSDSAIKQSDTDQQIR

TRTRPLE - GFP Tag - V

**Restriction Sites:**

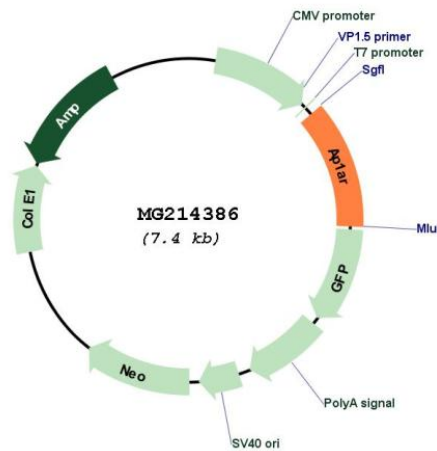
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_145964

**ORF Size:** 894 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_145964.3</a>
<b>RefSeq Size:</b>	2391 bp
<b>RefSeq ORF:</b>	897 bp
<b>Locus ID:</b>	211556
<b>Cytogenetics:</b>	3 G2