

## Product datasheet for **MG227596**

### Acpp (NM\_207668) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acpp (NM_207668) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acpp
Synonyms:	5'-NT; A030005E02Rik; FRAP; Lap; PAP; Ppal
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227596 representing NM_207668 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGCCGTTCTCTGCCCTGAGCCCGACAGCAAGCCTCAGCCTTGGCTTCTTGCTCCTGCTTTCTC  
TCTGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTTCGACATGGAGACCGAGG  
TCCCATCGAGACCTTCTACTGACCCATTACGGAATCCTCGTGGCCACAAGGATTTGGCCAACCTCACC  
CAGTGGGGCATGGAACAGCACTACGAATTGGAAGTTATATAAGGAAAAGATACGGAAGATTCTTGAACG  
ACACCTATAAGCATGATCAGATTTATATCCGGAGCACAGATGTGGACAGGACTTTGATGAGTGCTATGAC  
AAACCTTGCAGCCCTGTTTCTCCAGAGGGGATCAGCATCTGGAATCCTAGACTGCTCTGGCAGCCCATC  
CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTGTACCTGCCTTTCAGAGACTGCCCTCGTTTTG  
AAGAACTAAGAGTGAGACTTTAGAATCTGAGGAATCTTGAAGAGGCTTCATCCATATAAAAGCTTCTC  
GGACACCTTGTGTCGTCGTCGGGATTCGATGACCAGGATCTTTTTGGAATCTGGAGTAAAGTTTATGAC  
CCTTTATCTGCGAGAGTGTTCACAATTCACCTTGCCTCCTGGGCCACCGAGGACGCCATGATTAAGT  
TGAAAGAGCTATCAGAATTATCTCTGCTATCCTTTATGGAATCACAAGCAGAAAGAGAAATCTCGACT  
CCAAGGGGGCGTCTGGTCAATGAAATCCTCAAGAATATGAAGCTTGAAGTCAAGTCAAGTAAAGTATAAA  
AAGCTGGTCATGATTTCCGCACACGACACTACCGTGAAGTGGCCTGCAGATGGCGTAGATGTTTATAATG  
GAGTTCTGCCTCCCTACGCTTCTTGCACATGATGGAATTTGACCATGATAAGGGGGGGCACTTTGTGGA  
GATGTAATATCGAATGAGACCCAGAACGAGCCCTACCCACTCAGCTGCCAGGCTGCACCCACAGCTGC  
CCTCTGGAGAAGTTTGGCGAGCTACTGGACCCGGTATCTCCAGGACTGGGCCACGGAGTGATGGCCA  
CAAGCAGCCACCAAGTGCTGAGGGTTATCCTTGCCTACTACATTTTGCCTGGTAACCGGGATCCTGGTAT  
ACTTCTGCTTGTCTCATCCGCATGGGCCCTGCTGGCAGAGAGATGTGTATCGGAACATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG227596 representing NM\_207668  
Red=Cloning site Green=Tags(s)

MGAVPLPLSPTASLSLGFLLLLSLCLDPGQAKELKFVTLVFRHGDGRPIETFPDPIITESSWPQGFGLT  
 QWGMEQHYELGSYIRKRYGRFLNDTYKHDQIYIRSTDVRTLMSAMTNLAALFPPEGISIWNPRLLWQPI  
 PVHTVSLSEDRLLYLPRDCRPFEEKSETLESEEFKRLHPYKSFLDLTLSSLSGFDDQDLFGIWSKVYD  
 PLFCESVHNFTLPSWATEDAMIKLKESEL SLLSLYGIHKQKEKSRLQGGVLVNEILKNMKLATQPQKYK  
 KLYMYSAHDTTVSGLQMALDVYNGVLPYPYASCHMMELYHDKGGHFVEMYRNETQNEPYPLTLPGCTHSC  
 PLEKFAELLDPVISQDWATECMATSSHQVLRVILATTFCLVTGILVILLVLRHGPCWQRDVYRNI

TRTRPLE - GFP Tag - V

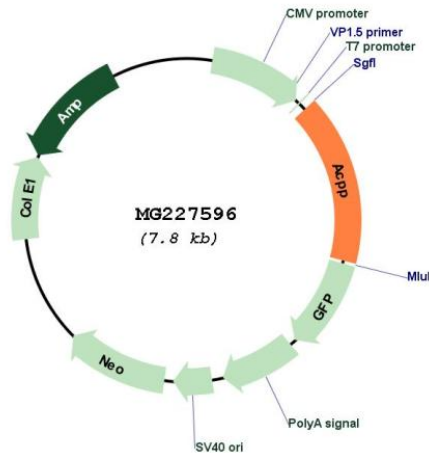
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_207668

<b>ORF Size:</b>	1251 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_207668.2</a> , <a href="#">NP_997551.1</a>
<b>RefSeq Size:</b>	4488 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	56318
<b>UniProt ID:</b>	<a href="#">Q8CE08</a>
<b>Cytogenetics:</b>	9 F1
<b>Gene Summary:</b>	A non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma (By similarity).[UniProtKB/Swiss-Prot Function]