

## Product datasheet for **MG227627**

### Acpp (NM\_019807) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acpp (NM_019807) 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:	>MG227627 representing NM_019807 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGAGCCGTTCTCTGCCCTGAGCCGACAGCAAGCCTCAGCCTTGGCTTCTTGCTCCTGCTTTCTC  
TCTGCCTGGACCCAGGCCAAGCCAAGGAGTTGAAGTTTGTGACATTGGTGTTCGGCATGGAGACCGAGG  
TCCCATCGAGACCTTCTACCGACCCATTACAGAATCCTCGTGGCCACAAGGATTTGGCCAACCTCACC  
CAGTGGGGCATGGAACAGCACTACGAATTGGAAGTTATATAAGGAAAAGATACGGAAGATTCTTGAACG  
ACACCTATAAGCATGATCAGATTTATATCCGGAGCACAGATGTGGACAGGACTTTGATGAGTGCTATGAC  
AAACCTTGCAGCCCTGTTTCTCCAGAGGGGATCAGCATCTGGAATCCTAGACTGCTCTGGCAGCCCATC  
CCAGTGCACACCGTGTCTCTCTGAGGATCGGTTGCTGTACCTGCCTTTCAGAGACTGCCTCGTTTTG  
AAGAACTAAGAGTGAGACTTTAGAATCTGAGGAATCTTGAAGAGGCTTCATCCATATAAAAGCTTCTC  
GGACACCTTGTGTCGTCGTCGCGGATTCGATGACCAGGATCTTTTTGGAATCTGGAGTAAAGTTTATGAC  
CCTTTATCTGCGAGAGTGTTCACAATTTACCTTGCCTCCTGGGCCACCGAGGACGCCATGATTAAGT  
TGAAAGAGCTATCAGAATTATCTCTGCTATCACCTTATGGAATTCACAAGCAGAAAGAGAAATCTCGACT  
CCAAGGGGGCGTCTGGTCAATGAAATCCTCAAGAATATGAAGCTTGAAGTCAAGTCAAGTAAAGTATAAA  
AAGCTGGTCATGTATTCGACACGACACTACCGTGAGTGGCCTGCAGATGGCGTAGATGTTTATAATG  
GAGTTCTGCCTCCCTACGCTTCTTGCACATGATGGAATTGTACCATGATAAGGGGGGGCACTTTGTGGA  
GATGTAATATCGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCAGGCTGCACCCACAGCTGC  
CCTCTGGAGAAGTTTGGCGAGCTACTGGACCCGGTATCTCCAGGACTGGGCCACGGAGTGTATGGCCA  
CAAGCAGCCACCAAGGACGGAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227627 representing NM\_019807  
 Red=Cloning site Green=Tags(s)

MRAVPLPLSRTASLSLGFLLLLSLCLDPGQAKELKFVTLVFRHGDGRPIETFPTDPITESSWPQGFGLT  
 QWGMEQHYELGSYIRKRYGRFLNDTYKHDQIYIRSTDVRTLMSAMTNLAALFPPEGISIWNPRLLWQPI  
 PVHTVSLSEDRLLYLPRDCRPFEEKSETLESEEFKRLHPYKSFLDLTLSSLSGFDDQDLFGIWSKVYD  
 PLFCESVHNFTLPSWATEDAMIKLKESEL SLLSLYGIHKQKEKSRLQGGVLVNEILKNMKLATQPQKYK  
 KLYMYSAHDTTVSGLQMALDVYNGVLPYPYASCHMMELYHDKGGHFVEMYRNETQNEPYPLTLPGCTHSC  
 PLEKFAELLDPVISQDWATECMATSSHQGRN

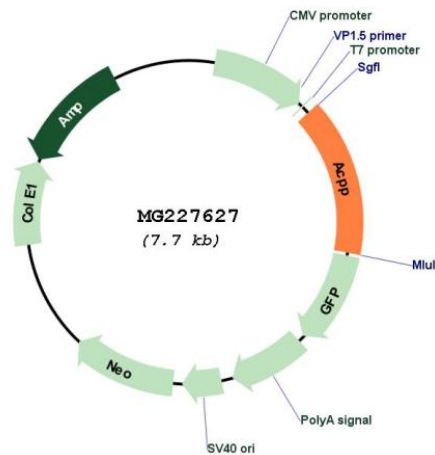
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_019807

<b>ORF Size:</b>	1143 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_019807.2</a> , <a href="#">NP_062781.2</a>
<b>RefSeq Size:</b>	2667 bp
<b>RefSeq ORF:</b>	1146 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]