

## Product datasheet for **MC220534**

### Gmps (NM\_001033300) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gmps (NM_001033300) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gmps
Synonyms:	670032; AA591640; AI047208; Gm9479
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220534 representing NM\_001033300  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCCTGTGCAACGGAGATCCAAGCCGGAGAATGCTGGAGGAGATCTTAAGGATGGTTCTACCATT  
 ACGAAGGAGCTGTTGTCATTCTGGATGCTGGAGCCAGTATGGGAAAGTCATTGACCGAAGAGTGGGGGA  
 GCTCTTTGTGCAGTCTGAAATCTCCCATTTGAAACACCCAGCCTTCGCCATAAAGGAACAAGGATTCGG  
 GCTATTATCATATCTGGAGGACCTAATTCTGTGTATGCAGAGGATGCTCCCTGGTTTGATCCAGCAATAT  
 TTACCATTGGCAAGCCTATTCTAGGAATTTGCTATGGCATGCAGATGATGAATAAAGTCTTTGGAGGCAC  
 TGTGCATAAAAAAAGTGTAGAGAGGATGGAGTTTTCAACATTAGTATGGATAATACGTGTTCAATTATTC  
 AGGGCCCTGCAGAAGGAAGAAATGTTTTACTTACACATGGAGACAGTGTAGACAAAGTTGCTGATGGAT  
 TCAAGTTGTAGCACGTTCTGGGAACATTGTGGCAGGTATAGCCAATGAATCTAAAAAGCTATACGGTGT  
 ACAGTTCCACCCTGAAGTTGGGCTTACAGAAAATGGGAAGTAATACTGAAGAATTCCTGTATGATATA  
 GCTGGATGCAGTGGGAACCTTACTGTGCAGAACCAGAACTTGAATGCATTTCGAGAGATTAAGAGAAAAG  
 TAGGAACATCAAAAGTGTGGTTTTACTCAGTGGTGGTGTAGATTCAACTGTTTGTACAGCTTTGCTAAA  
 TCGTGCTTTGAACCAAGATCAAGTCATTGCTGTACACATTGATAATGGCTTTATGAGAAAACGAGAAAGC  
 CAATCTGTTGAGAGGCCCTCAAAAAGCTTGAATTCAAGTCAAAGTGATAAATGCTGCTCATTCCCTCT  
 ACAATGGAACAACACTACTACCAATCTCAGATGAAGACAGGACCCACGGAAAAGAAATAGCAAAACATT  
 AAATATGACAACAAGTCTGAGGAGAAAAGAAAATTATTGGTGATACTTTCGTTAAGATTGCCAATGAA  
 GTAATTGGAGAAATGAGTCTGAAGCCCGAGGAGTTTTCTCGCCCAAGGCACCTTACGGCTGATCTAA  
 TCGAAAGTGCCTCCCTTGTGCCAGTGGTAAAGCCGAACCTCATCAAAACCACCACAACGACACAGA  
 ACTTATCAGGAAGTTAAGGGAAGAGGGAAAAGTAATAGAACCCTCTGAAAGATTTTCATAAAGATGAAGTCAGG  
 ATTTTAGGCAGAGAGCTTACCTGCCAGAAGAATTGGTTTCCAGGCATCCTTTTCCAGGTCTGGCCTGG  
 CAATCAGAGTAATATGTGCTGAAGAACCCTATATTTGTAAGACTTCCCTGAAACCAACAATATTTTGAA  
 AATAGTAGCTGATTTTCTGCAAGTGTTAAGAAGCCTCATACACTGTTACAAAGAGTCAAAGCCTGCACA  
 ACAGAAGAGGACCAGGAGAAGCTCATGCAAAATACAAGTCTGCATTCACTCAATGCTTTCTTGTGCCAA  
 TTAAGACTGTAGGTGTACAGGTGACTGCTGTTTACAGTTATGTGTGGAATCTCAAGTAAAGATGA  
 ACCTGACTGGGAATCTCTATTTTCTTCCAGACTTATACCTCGAATGTGCATAACATTAACAGAGTT  
 GTCTATATCTTTGGTCCACCAGTTAAAGAGCCTCTACAGATGTTACTCCAATTTTTTACAACAGGAG  
 TGCTCAGTACTTTACGCCAAGCTGATTTTGGAGCCATAACATTCAGGGAGTCTGGGTTTGTGGGAA  
 AATCAGCCAGATGCCAGTGATTTTGACCCCTTACATTTTCGATAGAGATCCACTTCAGAAGCAGCCTTCA  
 TGCCAGAGGTCTGTGGTTATTGCAACCTTTATTACTAGTGACTTCATGACTGGTGTACCTGCAACACCTG  
 GCAATGAGATTCCTGTAGAGGTGGTGTAAAGATGGTCACTGAGATAAAGAAGATTCTGGAAATTTCTAG  
 AATTATGTATGACCTAATTCAAAGCCCCGGGAACCACTGAGTGGGAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001033300  
**Insert Size:** 2082 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<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>	<u><a href="#">NM_001033300.2</a></u> , <u><a href="#">NP_001028472.2</a></u>
<b>RefSeq Size:</b>	4567 bp
<b>RefSeq ORF:</b>	2082 bp
<b>Locus ID:</b>	229363
<b>UniProt ID:</b>	<u><a href="#">Q3THK7</a></u>
<b>Cytogenetics:</b>	3 E1
<b>Gene Summary:</b>	Involved in the de novo synthesis of guanine nucleotides which are not only essential for DNA and RNA synthesis, but also provide GTP, which is involved in a number of cellular processes important for cell division.[UniProtKB/Swiss-Prot Function]