

## Product datasheet for **MC202891**

### Pla2g12a (NM\_023196) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pla2g12a (NM\_023196) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pla2g12a  
**Synonyms:** 2310004B05Rik; GXII; GXII-1; GXII-1-PLA2; mGXII-1; Pla2g12; Rossy  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC026812 sequence for NM\_023196  
GAGCGCGGAGGAGCCGGGTCCTGAGCCGGAGCCGGAGCGCGCCGCTGCCAGCCCCGCGCGCCGG  
CCCCGCAGATGGTGACTCCGCGGCCGCGCCCGCCGGGGCCCGCGCTCCTCCTCCTGCTGTGGC  
CACTGCGCGGGCAGGAACAGGACCAGACCACCGACTGGAGGGCCACCTCAAGACCATCCGCAACGGC  
ATCCACAAGATAGACACGTACCTCAACGCCGCTGGACCTGCTGGGCGGGGAGGACGGGCTCTGCCAGT  
ACAAGTGCAGCGACGGATCGAAGCCTGTTCCACGCTATGGATATAAACCATCTCCACCAATGGCTGTGG  
CTCTCCACTGTTTGGCGTTCATCTGAACATAGGTATCCCTTCCCTGACCAAGTGTGCAACCAGCAGCAGC  
AGATGCTATGAGACCTGCGGGAAAAGCAAGAACGACTGTGACGAGGAGTCCAGTACTGCCTCTCCAAGA  
TCTGCAGAGACGTGCAGAAGACGCTCGGACTATCTCAGAACGTCCAGGCATGTGAGACAACGGTGGAGCT  
CCTCTTTGACAGCGTCATCCATTTAGGCTGCAAGCCATACCTGGACAGCCAGCGGGCTGCATGCTGGTGT  
CGTTATGAAGAAAAACAGATCTATAAAGACCCTGACTGCTGGAGAGCAGGCGAGAATGGAGGATCATCC  
TTGCCAAAGATCGGATGCTTTAACAGCCTAATGTTGCCTTAGTTTTGTGTGCGATGGGTCAATTTGAGACC  
TTTCTATACTGTGCTTTTTTTAGAACCTCAAAGTGAACCGGTGGGGGGCCAGGCAGAAACAGAGGGAG  
AGCATGCTTGGGATGGGGAGCGAGCAGGACATCCAAGAGCATGCCTTCTGAGACTCGCTGTCTTGGTGG  
CTCCCCAAACTGGGAAGAAAAGCTTAAGCTCGTGTGACTTGGTGTTCATAGTTGTACTTAAACAATAAAA  
ATGAAAGCAAATGTAAAATTCATTGTAATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_023196

**Insert Size:** 579 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).



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<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="#">BC026812</a></u> , <u><a href="#">AAH26812</a></u>
<b>RefSeq Size:</b>	1022 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	66350
<b>UniProt ID:</b>	<u><a href="#">Q9EPR2</a></u>
<b>Cytogenetics:</b>	3 G3
<b>Gene Summary:</b>	<p>PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Does not exhibit detectable activity toward sn-2-arachidonoyl- or linoleoyl-phosphatidylcholine or -phosphatidylethanolamine (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>