

## Product datasheet for **RN217171**

### Pla2g6 (NM\_001270796) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g6 (NM_001270796) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g6
Synonyms:	iPla2; PNPLA9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217171 representing NM\_001270796  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGTTCTTTGGACGCTCGTTAACACCCTCAGTAGTGTACCAACTTGTCTCAAACCCATTCCGGG  
 TAAAGGAGGTGTCTTGGCTGACTATGCCCTCAAGTGAACGTGTTTCGAGAGGAAGGCAGCTGATCCTGTT  
 GCAGAATGCTTCCAATCGTACCTGGGACTGTGTCTGGTCAGCCCTAGGAACCCACAGAGTGGCTCCGA  
 CTCTTCCAAGTGGAGTCAGAGGCAGACGCCCTGGTGAACCTCCAGCAGTATTCTCCAGCTGCCACCGT  
 TCTATGAGAGCTCTGTGCAGGTCTGCATGTGGAGGTGCTGCAGCACCTGACGGACCTCATTGGAACCA  
 CCCCAGCTGGACAGTGACGCACCTGGCCGTGGAACCTGGCATTCCGGGAGTGTTCATCACAGCCGCATC  
 ATCAGTGTGCGCAACAGCACAGAGAATGAGGAGGGCTGTACCCACTACATCTGGCCTGCCGAAGGGTG  
 ACAGTGAGATTCTGGTGGAGTTGGTACAGTACTGCCACGCCAGATGGATGCTACTGACAACAAAGGAGA  
 GACCGCCTTCCATTATGTGTGCAAGGGGACAATCCCCAGGTGCTACAGCTCCTAGGAAAGAAATGCCTCA  
 GCCGGCCTGAACCAAGGTGAACAACCAAGGGCTGACGCCGCTGCACCTGGCCTGCCAGATGGGGAAGCAGG  
 AGATGGTGCCTGTCTGTCTGCAATGCCCGCTGCAACATCATGGGGCCCGGTGGCTTCCCCATCCA  
 CACAGCCATGAAGTTTTCCAGAAGGGGTGTGCTGAAATGATTATCAGCATGGACAGTAACCAGATCCAC  
 AGCAAGGATCCTCGTATGGAGCCAGCCCGCTCCACTGGGCAAGAACGCTGAGATGGCCCGAATGCTTC  
 TGAAGAGGGGCTGTGACGTGGACAGCACAAGTGCCTCGGGGAACACAGCCCTGCACGTGGCGGTGACCGG  
 CAACCGCTTTGACTGTGTATGGTGTGCTGACCTATGGGGCAACGCAGGTGCCGAGGAGAGCATGGG  
 AACACACCACTGCATCTGGCCATGTGAAAGATAACATGGAGATGGTCAAAGCCCTCATTGTATTTGGGG  
 CAGAAGTAGACACCCCGAATGACTTTGGGGAGACTCCTGCATTCATAGCTTCCAAGATCAGCAAGCAGT  
 TCAGGACCTCATGCCCGTCTCCGAGCCGGAAGCCAGCGTTATCCTGAGCTCCATGAGGGATGAGAAG  
 CGAAGCCATGACCACCTGCTCTGCTGGATGGAGGGGGCTGAAGGGCCTGGTATCATCCAGCTTCTCA  
 TTGCCATTGAGAAGGCCTCAGGTGTGGCTACCAAGGACCTCTTCGACTGGGTGGCAGGAACCAGCACAGG  
 CGGCATCCTGGCCCTGGCCATTCTACACAGTAAATCCATGGCCTATATGCGTGGCGTGTACTTCCGTATG  
 AAGGATGAGGTGTTTCGGGGCTCACGGCCCTATGAGTCTGGGCCCTGGAGGAGTTCCTGAAGCGTGAGT  
 TTGGGGAGCACACCAAGATGACAGATGTCAAGAAACCAAGGTGATGCTGACAGGGACACTGTGACACCG  
 GCAGCCAGCAGAGCTCCACCTCTCCGGAATTACGACGCCCCAGAGGCCGTTCCGGAACTCGCTGTACC  
 CCAAACATTAACCTGAAGCCGCCACCCAGCCTGCAGACCAGTTAGTATGGCGGGCAGCCCGGAGCAGTG  
 GGCAGCCCCAACCTATTTCCGGCCAATGGACGCTTCTTGATGGTGGGCTGCTGGCCAACAACCCAC  
 ACTGGATGCCATGACTGAAATCCATGAGTACAATCAGGATATGATCCGCAAGGGCCAGGGCAACAAGGTG  
 AAGAACTCTCCATAGTCGTGTCTCTGGGGACAGGAAAGTCCCCTCAAGTGCCTGTAACCTGTGTAGATG  
 TCTTTCTGCCAGCAACCTTGGGAACTGGCAAGACTGTTTTTGGAGCCAAGGAACTGGGCAAGATGGT  
 GGTGGACTGTTGCACAGATCCAGATGGGCGGGCTGTGGATCGTGCCCGGGCCTGGTGTGAGATGGTCGGT  
 ATCCAGTACTTCAGGCTGAACCCCAAGCTAGGCTCAGACATCATGCTGGACGAGGTGAGTGCAGTGC  
 TGGTCAACGCCCTCTGGGAGACCGAGGTCTACATCTATGAGCACCGGGAGGAGTTCAGAAGCTTGTCCA  
 GCTGCTGTATCTCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270796  
**Insert Size:** 2259 bp

<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001270796.1, NP_001257725.1</u>
<b>RefSeq Size:</b>	2992 bp
<b>RefSeq ORF:</b>	2259 bp
<b>Locus ID:</b>	360426
<b>UniProt ID:</b>	<u>P97570</u>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	<p>has Ca<sup>2+</sup> independent phospholipase A2 activity; may play a role in regulating transmembrane ionic fluxes in pancreatic beta cells [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>