

## Product datasheet for **MC209183**

### Pla2g1b (NM\_011107) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pla2g1b (NM\_011107) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pla2g1b  
**Synonyms:** Pla2a; sPLA2IB  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209183 representing NM\_011107  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAACTCCTTCTGCTGGCTGCTCTGCTCACAGCAGGCGCTGCTGCACACAGCATCAGCCCTCGGGCTG  
TGTGGCAGTTCGCAATATGATCAAGTGCACCATCCCCGGGAGTGATCCCCTGAAGGATTACAACA  
TGGCTGCTACTGTGGCTTGGGCGCTGGGGCACCCAGTGGACGACTTAGACAGGTGCTGCCAGACTCAT  
GACCACTGCTACAGTCAAGCAAGAAGCTGGAAAGCTGTAATTCCTCATAGACAACCCCTACACCAACA  
CTTACTCCTACTCATGCTCCGGGAGCGAGATCACCTGCAGCGCCAAAAACAACAATGCGAGGACTTCAT  
CTGCAACTGTGACCGTGAGGCCGCCATCTGCTTCTCCAAGGTCCCGTACAACAAGGAATACAAAAACCTT  
GACACCGGAAATTCTGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_011107  
**Insert Size:** 441 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="#">NM_011107.1</a></u> , <u><a href="#">NP_035237.1</a></u>
<b>RefSeq Size:</b>	552 bp
<b>RefSeq ORF:</b>	441 bp
<b>Locus ID:</b>	18778
<b>UniProt ID:</b>	<u><a href="#">Q9Z0Y2</a></u>
<b>Cytogenetics:</b>	5 F
<b>Gene Summary:</b>	<p>PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides, this releases glycerophospholipids and arachidonic acid that serve as the precursors of signal molecules.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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>