

## Product datasheet for **MC221657**

### Pla2g4b (NM\_145378) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4b (NM_145378) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4b
Synonyms:	A030011C02Rik; cPLA2-beta; Gm1013
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221657 representing NM\_145378  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGCAAACCTGCCAGTCTACATGCAGGCAAAGTGCCAGAGACATGCCTGCTCACTGTACGCG  
 TCCTCCGGGCCAGTGGCTTGCCCTCCAAGGACCTAGTAACCTCCTCTGACTGCTATGTGACTCTGAACCT  
 GCCCACGGCTTCCAGCCACACGCTCCAGACACGCACAGTCAAGAACAGCCGAAACCCTGTCTGGAATCAG  
 AACTTCCACTTCCGGATCCATAGGCAGCTCAAGAATGTTATGGAAGTCAAAGTCTTTGACCATGACCTGG  
 TGACCAGAGATGACCCAGTATTGTCACTGCTGTTTACGCTGGGGACCCTGCAAATTTGGGACTCAGCGCCA  
 GAGCTTCTCCTGGTACTCAGGAGAAAGGGTCTTAGAAGTTGAGTTTCGGCTACAGACTCTGACAGAC  
 TGTGAGGAACAGCTCATCAGCAATGGCATCGTGGTGGCCCGGAACTCTCCTGCTGCACGTTGAACTGA  
 AGAGGACAGGAGATCAAAGAGGTGAGAGCGCAAAGTTCAACTTGTGGTTGCTGGGGCCTGTGAGGGCC  
 ACAGGATGCCTCTGCGGGCACTGGATCTTTCCACTTCCATTATCCAGCCTGCTGGGAGCAAGAGCTGAAT  
 GTTCATCTGCAGGATGACCCCATGAGCAGCTGAAGGTGCCACTACGAACCTACCCCTCCTCGCAGCTGG  
 TGAGACTTGTCTTCCCCACGTCCAGGAGCCACTGATGAGGCTGGAACCTCAAGAAGGAAGAAGGACCAAA  
 GGAGCTGGCTGTGCGGCTGGGCTGTGGGCCCTGCCCTGAGGAACAGGCCTTCTAAGCAAGAGGAAGCAG  
 GTGGTGGCTGCCGCGTGAAGGAGGCTTACAGCTGGACCAAGACCTGCACGAGGATGAGATCCCCGTGA  
 TTGCCGTGATGGCCACTGGTGGTGGGATCCGGGCCATGACGCTTTGTATGGGCAGCTGGCCGGCCTGCA  
 GGAGCTCGGCTTCTCGACTGCATCTCCTATATCACGGGGCTTCAGGATCCACCTGGGCACTGGCCAAC  
 CTCTATGAGGACCCAGAGTGGTGCAGAAAGGACCTGGCAGGGCCACTGAGGTGCTGAAGACACAGGTGA  
 CAAAGCAAGCTGGGTGCGTTGGCCCTAGCCAACTTTGGCGGTACCGCAAGAGCTGGCTGAGCGTGC  
 TCGCCTGGGCCACCAACTGCTTACCAACTTGTGGCCCTCATTAAATGAGGCCTTGCTGCACGACAAG  
 CCCCATGAACACAAACTCTCAGATCAACGAGAGGCCCTGAGTCGAGGCCAGAACCCTCTGCCTATCTATT  
 GTGCCCTCAACAGCAAGGAGCAGGGCCTGAGTACCTTTGACTTTGGGAGTGGTGTGAGTCTCTCCATA  
 TGAAGTCGGCTTCCCAAGTATGGAGCCTTCATCTCCTCCGAGCTCTTTGGCTCGGAGTCTTTATGGGG  
 CGGCTGGTGAAGCAGCTTCCCGAGTCCCGCATCTGCTTCTGGAAGGCATCTGGAGCAATCTGTTTGGG  
 CCAGCCTCAAGACAGCTTGTACTGGTCTCAGAACCAGCCAGTCTGGGACCCTGGGCGCAGGATCA  
 GGCCAACCTGGACAAAGAGCAGGTCCCCATCTGAAGATAGCAGAGCCACCGACAATGGCTGGCAGGATC  
 GCCGAGCTTCTACTGACCTCCTGACAAAGCGTCCCCTGCCCCAGCCACCCACAACCTCACGCGAGGCC  
 TCCATTTCCACAAGGACTATTTCCAGAACTCTCACTTCTCTGCCTGGAAAAGCTTCCAAACTGGACAGGCT  
 CCCCACCAGCTGACACCCTGAGCCCCACCTCTGCCTCCTGGATGTTGGCTATCTCATCAATACTAGC  
 TGCCCACCCCTCCTGCAGCCAACACGGGATGTGGACCTCATCTTGTCACTGGACTACAACCTCTACGGAG  
 CCTTTCAGCAGCTGCAGCTTCTGAGCCGTTCTGCCAGGAGCAGGGCATCCCTTTCCATCCATCTCACC  
 CAGCCCCGAGGAGCAGCGGCAGCCTCAGGAGTGCCATCTGTTCTGTGACCAGCCAGCCGAAGCCCCG  
 GCTGTGCTGCACTTCCCTTTGGTCAATGACTCCTTCCAAGACTACTCTGCCCTGGGGTGGCCAGGACAT  
 CGGAGGAGAAGGACAGCTGGGGAGGTGAATCTGTCTTCTTCTGACTCCCCATACCACTACACAAAAGTGAC  
 CTACAGCCAGGAAGATGTGGACAAGCTGTTACGGCTGACGCATTACAACATCTGCAACAACAGGATCGG  
 CTGCGGGAGGCCATGCACCAGGCCGTGCAGCGGGAGAAAGCGCAAACAGTTTAGGCCGGAG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_145378  
**Insert Size:** 2376 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>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_145378.4</a> , <a href="#">NP_663353.3</a>
<b>RefSeq Size:</b>	3859 bp
<b>RefSeq ORF:</b>	2376 bp
<b>Locus ID:</b>	211429
<b>UniProt ID:</b>	<a href="#">P0C871</a>
<b>Cytogenetics:</b>	2 E5
<b>Gene Summary:</b>	Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position with a preference for arachidonoyl phospholipids. Has a much weaker activity than PLA2G4A (By similarity).[UniProtKB/Swiss-Prot Function]