

Product datasheet for **MC222357**

Pla2g4e (NM_177845) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4e (NM_177845) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4e
Synonyms:	2310026J01Rik; C230096D22; Pla2epsilon
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222357 representing NM_177845
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTCTATTCCACACTCCGATGAAGCAGACGTGGCTGGGATGACCCACGCCTCAGAAGGCCACCATG
 GCCTGGGACCAGCATGCTTGTCCCAAAGAACCCACAAGGGGAAGAAGACAGCAAGCTAGGAAGAACTG
 CAGTGGATTTGAAGATGCACAGGACCCACAGACTGCTGTGCCCTCCTCACCTTTACTTTCCATGGCTTCT
 TGCAGTCTCAGGAGGGGTATCTCCATGCCATCTGTTGACAGTGAGGATCATTGGCATGAAAAACGTCC
 GGCAGGCTGATATACTGAGTCAGACAGACTGCTTTGTGACCTCTGGCTGCCTACTGCCTCTCAGAAGAA
 GCTGAAGACCAGAACCATCTCCAACCTGCCTACCCAGAGTGGGACGAAAGCTTCACCTTTCAGATCCAG
 ACTCAAGTAAAGAATGTCTAGAGCTGAGCGTCTGTGACGAAGACACCCTGACACAAAATGACCATCTCT
 TGACAGTCTCTATGACCTCTAAGCTTTGCCTCCGGAATAAAACCCATGTGAAGTCCCCTCAACCC
 AGAGGGCATGGAAGAAGTGGAGGTGGAGTTCCTACTCGAAGAGAATTTCTCCTCATCAGAGACCCTCATC
 ACCAACGGCGTGTCTGGTGTCTCGCAAGTCTCTTGCCTGGAGTTCATGCAGAATCCAGGAGGCCGAGGA
 AGAGGAAGAAAAACAAAGACCTTCTGGTGTGGTACAGACTCCTTCGAGAACACCCAGCGTGTCCCGCC
 TTGCCAGGAGCCCTGCTACCCCAATTCTGCCTGCTTCCACTACCCCAAGTACTCCAGCCACAGCTTTAC
 GCAGAGGCGCCTAAGAGCCACTGTAACCTTAGGCTTTGCTGCTGCGGAACACACAGGAATGACCCTGTCT
 GCCAGCCCTCAATTGCCTTTCTGATGGCCAGGTGACAACCTGCCTGTGGGAGAGAAGTATGAGCTACA
 CATGAAGTCTCACCCCTGCTCTGACACACTGGATGTGCGGCTTGATTACGCCTGTGCCAGGAAGAGGTG
 GAGTTTGTGCAGAAGCGGAAGATGGTGGTGGCCAAAGACTAAGTCAGATGCTGCAGCTGGAGGAAGGCC
 TGCATGAGGATGAGGTACCGATAAATGCCATCATGGCCACAGGAGGTGGCACAAGTCTATGGTCTCCTT
 GTATGGCCACCTGCTGGGGTTGCAGAAGCTGAACCTTCTGGACGCTTCTACTTACATCACCGGCTTGCCA
 GGTGCAACCTGGACTATGGCTACCTGTACAGTGATCCTGAGTGGTCTCCAAAAACCTGGAGACTGTTG
 TCTTTGAGGCCCGGAGACATGTTGTCAAAGACAAGATGCCTGCCCTGTTCCAGATCAGCTCTACAAATG
 GCGAGAGGACCTCCAAAAGCATAGCCAGGAGGGCTATAAGACCACGTTTACAGACTTTTGGGGCAAGCTG
 ATCGAGTACAGTCTGGGAGATAAAAAAACGAATGCAAGCTGTCAGATCAGCGAGCTGCTCTGTGCAGGG
 GACAGAACCCTCTGCCATCTACCTCACCATCAATGTCAAGGATGATGTAAGCAACCAGGATTTACAGAGA
 ATGTTTCGAGTTCTCCCTACGAGGTGGGCATGCAGAAGTACGGAGCCTTCATCCCAGCGAGTTATTT
 GGCTCCGAGTTCTCATGGGGCGGCTGATGAAGAGGATCCTGAGCCGGAGATGTCTACATGCTAGGGT
 TGTGGAGTAGCATCTTTCCCTGAACCTGCTTGTATGCCTGGAATTTGTCTCACACCTCAGAGGAGTTTTT
 CTATAGGTGGACAAGGGAGAGACTGCATGACATCGAAGATGATCCCATCCTGCCTGAAATCCCTAGGTGT
 GACGATAACCCCTAGAGACCACAGTAGTGATCCCAACGCATGGCTGTCCAACACCTTCCGAGAAATCC
 TCACACGCAGGCCCTTCGTGTCTGAGTTCACAACCTTCTGTACGGGATGCAGCTGCATACTGACTACTT
 ACAGAACAGGCAGTTCTCTATGTGGAAGACACAGTACTGGACACCTTCCCAAACAGCTGACACAGTTT
 GCAAAACACCTGAACCTGCTGGACACTGCGTTCCTTTGTCAACTCCAGCTACGCACCCCTCCTTAGGCCAG
 AGAGAAAAGTGCACCTTATCATCCACCTCAATTACTGCGCAGGATCCCAGACAAAGCCCTGAAACAAAC
 CTGTGAGTACTGTACCGAGCAGAAGATCCCTTCCCGAGCTTCTCCATCCTGGAAGATGACAACAGTCTC
 AAGGAGTGCTACGTGATGGAGAATCCCGAGGAGCCGACGCCCCATCGTGGCTTACTTCCCACTCATCA
 GTGACACCTTCCAGAAGTACAAGGCTCCAGGTGTAGAGCGAAGTCTGACGAGCTGGAAGTGGGCCAGCT
 GAACATCTATGGACCAAAGTCTCCCTATGCCACCAAGGAGCTGACGTACACAGAGGCCGCTTCGACAAG
 CTGGTGAAGCTCTCAGAAATAAATATCCTCAATAACAGAGATAAGCTCATTACAGGCTTGAGACTAGCAA
 TGGAGAAGAAACGCATGAGGAGCCAGTGTCCCTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_177845

Insert Size:	2628 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_177845.4 , NP_808513.2
RefSeq Size:	4477 bp
RefSeq ORF:	2628 bp
Locus ID:	329502
UniProt ID:	Q50L42
Cytogenetics:	2 E5
Gene Summary:	<p>Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>