

Product datasheet for **MC219659**

Pla2g4c (NM_001168504) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4c (NM_001168504) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4c
Synonyms:	D7Ertd445e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219659 representing NM_001168504
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTGTGCCGAGTCTCCAAATCACTACATAAGCGAAGCTCTGGGGTCTGCCCTGCCACTAGACTCC
 AGGAAGCAGAAAAGGCAGCTGTGCACAAACGCAGTCCCAAGGTTTTGGAGGCTCTACGAAAGCTCAACAT
 CCAAGCTGACCAGGCTCCAGTCATTGCTGTCTTGGGCTCTGGCGGGGGCTGCGGGCCACATCGCTTGT
 CTTGGTGTGCTGAGTGAGCTGAAAGAATTGGCCTGTTGGATGCTGTACATACCTCGCAGGGGTCTCTG
 GGTCCACTTGGGCACTGTCTTCACTCTACACCAAGAATGGAAATATGGAAGGGATAGAAGAGGAGCTGAA
 ACATCGGTATGAGAAGAATGAGTGGGACTTTCATGAGAGCCTGGAGAAAGCCATCCAGGCATCAAAGAGG
 GAGAATTACTCCCTGACTGACTTTTGGCCTATTTAATTGTTCCAGGCAATCAGAGAACTTCAGGATT
 CGAATTTGTCCAGTCTAAGAAGCAAGTGAAGAAGGAGTGTGCCCTATCCCATCTTTCAGCCATTGA
 TGAGGACCTTCTGGCTGATTGGAGGGAGAGGAAAACCTCAGAATTCCTGGTTTGAATTCACCTCATCAT
 GCTGGCTACCTGCACCTTGGGGCTTATGTCCCATCACAGAGTTTGAAGCAGATTTGAGAATGGGAAAC
 TGGTTAAATCTGAGCCTGAGAGAGATTTGACTTTCCTGAGAGGTTTATGGGGAAGTGCTTTTGTGATAT
 TAAAGAAATTAAGAATTATTTTGAACACTTTCAGGAACCCCTTTGGAAAATTGAAGTTTATAGAAGGA
 CCAGTGACATACTCAGAAGCACCAGGATGAATGTGGATGCAATGCTCTTGGATTTAGTGATGGCTTATT
 TCACAGATATGAATGACCCAGCATCAAGGATAAGCTCTGTGCCCTTTCAGCAGGCTCTGGGACTGAGAC
 AGATGAATTTGGCATAGAGATGGCTGAGATCATCCAGAATTGGAATGAGACCTCCGCAGAGAAGAAGGAG
 CAGTTTCTCGACCATCTGTTGGATCGCTTCAAGAAGACACAAGAAGACACCACCACATACAGTTTGATGA
 ACTGGAACACGGGTCTAGTTTGGGACCGTTGCGTTTTTGTGAATGAAACTCGCAAGTGTCTCCAATG
 GCAGTGGGGAACGTTTACAACCTCCTCTATAAACACGGTAAAATTGCAGATGAGACCATGTGCAGCCGA
 GAGCTTCTCCATCTGGTGGATGCTGGTTTTGCCATCAACACTCCCTATCCACTTGTCTGCCCTCTGTGC
 GTGAAACTCACCTCATCTCTCATTGACTTCAGTGTGGGACCCACTAGAGACCATCAGGGCCACAGC
 AGACTACTGCCAACGCCATGAAATCCCCTTTCCTGAGGTGAGCGAGGATCAGCTGAAGGAATGGGCCAAA
 GCCCCAGCAAGCTGCTATGCTCCTCAGAGGGGAAACAGGACCTGTTGTGCATGCACTTTACTCTGTTCAACA
 AAGACAACGTGGAGATGATATTGAGACATGGAGAAAAAATATGGGACAGTAAAATCTGACTCATA
 CACACCAGACCTGGTGGAGATTTGCTGAGGGTATCCAAGGAGAAATGTGAAGAAAAACAAAATTAATATC
 CTCAGTGAGATGAGGAAAGTGGCTGGGAATCCTGGGAACATCCCAAGAGTGAACAAGGAGGCTGCTTGG
 GAGACAGAGTGAAGGATCCCAAGGCTCTCAGACTGTGGAGTTTAAAGAAATCCCAACATATCTAAGGA
 TTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001168504

Insert Size: 1824 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).

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:

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_001168504.1](#), [NP_001161976.1](#)

RefSeq Size: 3390 bp

RefSeq ORF: 1824 bp

Locus ID: 232889

UniProt ID: [Q64GA5](#)

Cytogenetics: 7 7.84 cM

Gene Summary: Has a preference for arachidonic acid at the sn-2 position of phosphatidylcholine as compared with palmitic acid.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.