

Product datasheet for **MC219578**

Pla2g4c (NM_001004762) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4c (NM_001004762) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4c
Synonyms:	D7Ertd445e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219578 representing NM_001004762
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGA**ACTAAGCTCTGGGTCTGCCTGCCACTAGACTCCAGGAAGCAGAAAAGGCAGCTGTGCACAAC**
 GCAGTCCCAAGGTTTTGGAGGCTCTACGAAAGCTCAACATCCAAGCTGACCAGGCTCCAGTCATTGCTGT
 CTTGGGCTCTGGCGGGGGCTGCGGGCCACATCGCTTGTCTTGGTGTGCTGAGTGAGCTGAAAGA**ACTT**
 GGCTGTGGATGCTGTACATACCTCGCAGGGGTCTCTGGTCCACTTGGGCACTGTCTTCACTCTACA
 CCAAGAA**TGAAAATGGAAGGGATAGAAGAGGAGCTGAAACATCGGTATGAGAAGAATGAGTGGGACTT**
 TCATGAGAGCCTGGAGAAAGCCATCCAGGCATCAAGAGGGAGAATTACTCCCTGACTGACTTTTGGCC
 TATTTAATGTTCCAGGCAATCAGAGAACTCAGGATTCGAATTTGCCAGTCTAAAGAAGCAAGTGG
 AAGAAGGAGTGTGCCATCCCATCTTGCAGCCATTGATGAGGACCTTCTGGCTGATTGGAGGGAGAG
 GAAA**ACTCAGAATCCTGGTTTGAATTCCTCATCATGCTGGCTACCCTGCCTTGGGCTTATGTC**
 CCCATCACAGAGTTTGAAGCAGATTTGAGAATGGGAACTGGTTAAATCTGAGCCTGAGAGAGATTGA
 CTTTCTGAGAGGTTTATGGGAAGTGCTTTTCTGATATTAAGAAATTAAGAATTATTTTTGAACTA
 CTT**CAGGAACCCCTTTGGAAAATGAAGTTTATAGAAGGACCACTGACATACTCAGAAGCACCAAGGATG**
 AATGTGGATGCAATGCTCTTGGATTTAGTGATGGCTTATTTACAGATATGAATGACCCAGCATCAAGG
 ATAAGCTCTGTGCCCTT**CAGCAGGCTCTGGTACTGAGACAGATGAATTTGGCATAGAGATGGCTGAGAT**
 CATCCAGAATTGGAATGAGACCTCCGCAGAGAAGAAGGAGCAGTTTCTCGACCATCTGTTGGATCGCTT
 AAGAAGACACAAGAAGACACCACCACATACAGTTT**GATGAACTGGAACACGGGTCTAGTTTGGGACCGTT**
 GCGTTTTTGAATGAACTCGCAAGTGTCTC**CAAATGGCAGTGGGAACTGTTTACAACCTCCTCTA**
 TAAACACGGTAA**AAATG**CAGATGAGACCATGTGCAGCCGAGAGCTTCTCCATCTGGTGGATGCTGGTTTT
 GCCATCAACACTCCCTATCCACTGTTCTGCCTCTGTGCGTGA**AACTCACCTCATCCTCTCATTGACT**
 TCAGTGTGGGACCCACTAGAGACCATCAGGGCCACAGCAGACTACTGCCAACGCCATGAAATCC**CCCTT**
 TCCTGAGGTGAGCGAGGATCAGCTGAAGGAATGGGCCAAAGCC**CCAGCAAGCTGCTATGCTCAGAGGG**
 GAAACAGGACCTGTTGTCATGCACTTTACTCTGTTCAACAAGACA**ACTGTGGAGATGATTTGAGACAT**
 GGAGAAAAAATATGGGACAGTAA**AACTATCTGACTCATACACCAGACCTGGT**GAGAGATTTGCTGAG
 GGTATCCAAGGAGAATGTGAAGAAAA**CAAAATTAATATCCTCAGT**GAGATGAGGAAAGTGGCTGGGAAT
 CCTGGGAACATCCAAGAGTGAACAAGGAGGCCTGCTTGGGAGACAGAGTGAAGGATCCCAAGGCTCTC
 AGACTGTGGAGTTAAGAAATCCCAACATATCTAAGGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001004762
- Insert Size:** 1794 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_001004762.3](#), [NP_001004762.1](#)

RefSeq Size: 3374 bp

RefSeq ORF: 1794 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 (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus 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.