

Product datasheet for **MC228978**

Pla2g6 (NM_001199023) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g6 (NM_001199023) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g6
Synonyms:	BB112799; iPLA(2)beta; iPLA2; iPLA2beta; PNPLA9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228978 representing NM_001199023
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTTCTTCGGACGCCTCGTCAACACCCTCAGTAGCGTCACCAACTGTTCTCGAACCCATTCCGGG
 TGAAGGAGGTGTCCCTGACTGACTACGTCTCAAGTGAACGTGTCCGGGAGGAAGGCAGCTGATCCTGTT
 ACAGAATGTCTCCAATCGCACCTGGGACTGTGTCTGGTCAGCCCGAGGAACCCACAGAGCGGCTTCCGG
 CTCTTCCAACCTGGAGTCTGAGGCAGACGCCCTGGTGAACCTCCAGCAGTTCTCTCCAGCTGCCGCCCT
 TCTACGAGAGCTCTGTGCAGGTCTGCATGTGGAGGTGCTTCAGCACCTGACCGACCTCATCCGGAACCA
 CCCCAGCTGGACAGTGACACACCTAGCCGTGGAGCTCGGCATCCGGGAGTGCTTCCATCACAGCCGCATC
 ATCAGCTGTGCCAACAGCACAGAGAATGAGGAGGGCTGCACCCACTACATCTGGCTGCCGAAGGGTG
 ACAGTGAGATCCTGGTGGAGCTGGTACAATACTGCCACGCCAGATGGATGTCAGTACAACAAAGGAGA
 GACTGCCTTCCATTACGCTGTGCAAGGGGACAATCCCCAGGTGCTACAGCTCCTAGGGAAGAACGCCTCA
 GCCGGCTGAACCAAGTAAACAACCAAGGGCTGACTCCACTGCACCTGGCTGCAAGATGGGAAAGCAGG
 AGATGGTGCGCGTCTGTGCTCTGTAATGCCCGCTGCAACATCATGGGGCCCGGTGGCTTCCCCATCCA
 CACAGCCATGAAGTTTTCCAGAAGGGGTGTGCTGAAATGATTATCAGCATGGACAGCAACCAGATCCAC
 AGCAAGGATCCTCGTACGGAGCCAGCCACTCCATTGGGCCAAGAACGCCGAGATGGCCCGAATGCTGC
 TGAAGCGGGGCTGTGACGTGGACAGCACTAGCTCCTCAGGGAACACAGCCCTGCATGTGGCGGTGATGCC
 CAACCGCTTTGACTGTGTATGGTGTGCTGACCTACGGGGCTAATGCAGGTGCCCGGGAGAGCACGGG
 AACACGCCACTGCACCTGGCCATGTGAAAGATAACATGGAGATGGTCAAAGCCCTATTGTATTTGGGG
 CAGAAGTGGACACCCCAAACGACTTTGGGGAGACTCCTGCATTGATAGCCTCAAGATCAGCAAGCTGAT
 TACCAGGAAGGCCCTCTTGACTCTGCTGAAAACGGTGGGGCCGACCACCACTTTCCAATCATCCAGGGG
 GTCTCCACGGAGCAGGGCTCTGCAGCTGCAACTCACCCCTCTTCTCTGGACAGGACTCAGCCCCAG
 CGATCAGCTTAAACAACCTAGAGCTTCAAGATCTCATGCCATCTCTCGAGCCCGAAGCCAGCGTTCAT
 CCTGAGCTCCATGAGGGACGAGAAGCGGAGTACGACCACCTGCTCTGCCTGGACGGAGGGGGCGTGAAA
 GGCCTGGTCATTATCCAGCTTCTCATCGCCATCGAGAAGGCCCTCGGGAGTGGCCACCAAGGACCTTTCG
 ACTGGGTGGCAGGAACCAGCACAGGGGGCCTCTGGCCCTGGCCATTCTGCACAGTAAATCCATGGCCTA
 TATGCGTGGTGTACTCCGTATGAAGGACGAGGTGTTTCGGGGCTCACGGCCCTATGAGTCTGGGCC
 CTGGAGGAGTTCTGAAGCGGGAGTTTGGGGAGCACCAAGATGACAGATGTCAAAAAACCAAGTGTA
 TGCTGACAGGGACTGTCTGACCGGCAGCCAGCAGAGCTCCACCTATCCGGAATTACGATGCTCCCGA
 AGCCGTTTCGAGAGCCCCGCTGCAACCAAAACATTAACCTGAAGCCACCGACTCAGCTGCAGACCAACTG
 GTATGGCGTGCAGCCCGGAGCAGTGGGGCAGCCCCAACCTATTTCCGGCCCAATGGACGCTTCTGGATG
 GAGGGCTGCTGGCCAACAACCCACACTGGATGCCATGACTGAAATCCATGAGTACAATCAGGACATGAT
 CCGCAAGGGCCAGGGCAACAAGTGAAGAACTCTCCATAGTCGTTTCTCTGGGGACAGGAAAGTCCCCT
 CAAGTGCCTGTAACTGTGTAGATGTCTTTCGTCAGCAACCTTGGGAACTGGCCAAAAGTGTTTTTG
 GAGCCAAGGAACTGGGCAAGATGGTCTGGACTGTTGCACAGATCCAGATGGGCGGGCTGTGGATCGGGC
 CCGGGCTGGTGGAGATGGTCCGCATCCAGTACTTCAGACTGAACCCCACTAGGGTCCGACATCATG
 CTGGACGAGGTCAGTGATGCAGTCTGGTCAACGCCCTCTGGGAGACCGAGGTCTACATCTATGAGCACC
 GAGAGGAGTTCAGAAGCTTGTCCAGCTGCTGCTCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001199023
Insert Size: 2424 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001199023.1 , NP_001185952.1
RefSeq Size:	3725 bp
RefSeq ORF:	2424 bp
Locus ID:	53357
UniProt ID:	P97819
Cytogenetics:	15 E1
Gene Summary:	<p>Catalyzes the release of fatty acids from phospholipids. It has been implicated in normal phospholipid remodeling, nitric oxide-induced or vasopressin-induced arachidonic acid release and in leukotriene and prostaglandin production. May participate in fas mediated apoptosis and in regulating transmembrane ion flux in glucose-stimulated B-cells. Has a role in cardiolipin (CL) deacylation. Required for both speed and directionality of monocyte MCP1/CCL2-induced chemotaxis through regulation of F-actin polymerization at the pseudopods (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has an additional in-frame exon in the coding region, compared to variant 1. It encodes a longer isoform (2) than isoform 1.</p> <p>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>