

Product datasheet for **MC200455**

Pla2g6 (BC003487) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g6 (BC003487) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g6
Synonyms:	BB112799; iPLA(2)beta; iPLA2; iPLA2beta; PNPLA9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003487
 CCCACGCGTCCGCCCTGTCTTGAATGTCGTACCTGGACCCTGCTTAGGACCGGCTCGTGTCTGCGAC
 TCTGAGAGCAGAGGGGCAGGCTGGGTCTCTCCGCTGCCCCACAGAGGATGCAGTTCTTCGGACGCCTCGT
 CAACACCTCAGTAGCGTCACCAACTTGTCTCGAACCCATTCCGGGTGAAGGAGGTGCCCTGACTGAC
 TACGTCTCAAGTGAACGTGTCCGGGAGGAAGGGCAGCTGATCCTGTTACAGAATGTCTCCAATCGCACCT
 GGGACTGTGTCTGGTCAGCCCCAGGAACCCACAGAGCGGCTCCGGCTTTCCAAGTGGAGTCTGAGGC
 AGACGCCCTGGTGAACCTCCAGCAGTTCTCTCCAGCTGCCGCCCTTCTACGAGAGCTCTGTGCAGGT
 CTGCATGTGGAGGTGCTTCAGCACCTGACCGACCTCATCCGGAACCCACCCAGCTGGACAGTGACACACC
 TAGCCGTGGAGCTTGGCATCCGGGAGTGCTTCCATCACAGCCGCATCATCAGCTGTGCCAACAGCACAGA
 GAATGAGGAGGGCTGCACCCACTACATCTGGCCTGCCGCAAGGGTGACAGTGAGATCCTGGTGGAGCTG
 GTACAATACTGCCACGCCAGATGGATGTCACTGACAACAAGGGCAGACTGCCTTCCATTACGCTGTGC
 AAGGGGACAATCCCCAGGTGCTACAGCTCTAGGGAAGAAGCCCTCAGCCGGCTGAACCAGGTAACA
 CCAAGGGTACTCCACTGCACCTGGCTGCAAGATGGAAAGCAGGAGATGGTGCAGCTCTGCTGCTC
 TGTAAATGCCCGTGAACATCATGGGGCCGGTGGCTTCCCATCCACACAGCCATGAAGTTTTCCAGA
 AGGGGTGTGCTGAAATGATTATCAGCATGGACAGCAACCAGATCCACAGCAAGGATCCTCGCTACGAGC
 CAGCCCCTCCATTGGGCCAAGAAGCCGAGATGGCCCAATGCTGCTGAAGCGGGCTGTGACGTGGAC
 AGCACTAGCTCCTCAGGGAACACAGCCCTGCATGTGGCGGTGATGCGCAACCGCTTTGACTGTGTATGG
 TGCTGCTGACCTACGGGGCTAATGCAGGTGCCCGGAGAGCACGGGAACACGCCACTGCACCTGGCCAT
 GTCGAAAGATAACATGGAGATGGTCAAAGCCCTCATTGTATTTGGGGCAGAAGTGACACCCCAACGCAC
 TTTGGGGAGACTCCTGCATTGATAGCCTCCAAGATCAGCAAGCAGCTTCCAGGATCTATGCCCATCTCTC
 GAGCCCGAAGCCAGCGTTCATCCTGAGCTCCATGAGGGACGAGAAGCGGAGTACAGACCACCTGCTCTG
 CCTGGACGGAGGGGGCGTAAAGGCCTGGTCATTATCCAGCTTCTCATGCCATCGAGAAGGCCTCGGGA
 GTGGCCACCAAGGACTCTTCGACTGGGTGGCAGGAACCAGCACAGGGGGCATCCTGGCCCTTGGCCATT
 TGCACAGTAAATCCATGGCCTATATGCGTGGTGTACTTCCGTATGAAGGACGAGGTGTTTCGGGGCTC
 ACGGCCCTATGAGTCTGGGCCCTGGAGGAGTCTGAAGCGGGAGTTTGGGGAGCACACCAAGATGACA
 GATGTCAAAAAACCAAGGTGATGCTGACAGGGACACTGTCTGACCGGCAGCCAGCAGAGCTCCACCTAT
 TCCGGAATTACGATGCTCCCGAAGCCGTTCCAGAGCCCCGCTGCAACCAAAACATTAACCTGAAGCCACC
 GACTCAGCCTGCAGACCAACTGGTATGGCGTGCAGCCCGAGCAGTGGGGCAGCCCCAACCTATTTCCGG
 CCCAATGGACGCTTCTGGATGGAGGGTCTGGCCAACAACCCACACTGGATGCCATGACTGAAATCC
 ATGAGTACAATCAGGACATGATCCGCAAGGGCCAGGGCAACAAGGTGAAGAACTCTCCATAGTCGTTTC
 TCTGGGGACAGGAAAGTCCCCTCAAGTGCCTGTAACTGTGTAGATGTCTTTCGTCACGCAACCCCTGG
 GAACTGGCCAAAACCTGTTTTGGAGCCAAGGAAGTGGGCAAGATGGTCTGGACTGTTGCACAGATCCAG
 ATGGGGCGGGCTGTGGATCGGGCCCGGGCCTGGTGCAGATGGTCCGCATCCAGTACTTCAGACTGAACCC
 CCAGCTAGGGTCCGACATCATGCTGGACGAGGTGATGATGCAAGTCTGGTCAACGCCCTCTGGGAGACC
 GAGGTCTACATCTATGAGCACCGAGAGGAGTCCAGAAGCTTGTCCAGCTGCTGTCTCCCTGAGCTC
 CCGGGGCTGCCAGCACACTGAGGGCAAGCTGGGCTGGCAGCTCCATGTCCATCTGACACTAGGACTC
 AGAGCACAAACCGGTTCCCACGAGGCACCTCTCCTGGTCCATCTGCACCTTACTACTCGAGGCTGAAAGC
 CCAGAGTCCCCTCAGCCCTTTCCCTGACTATGAAGGACAACACTGACTCCATCAAGGACCCACATATCA
 GAGATCAACACTACGGTGCAGTGGTCCCAGGCTCCCTGGCCACTGCTGCTCACCCTTCTGCCACCCC
 CTGATGTCAAGGACTAGAGAAAAGGGTTCCACCTATCCTAGTGAATCCAGGCTAATGGCATCCAGCG
 CCATTCGACTTTGCCCTCGCACCTGCCAGCCTTCCACCTGCCGCCACCGCACTAGGAGCCCTCCTAG
 CTCCAAAGGTCAACCCTGTGCATGTGCTCTTCTCTGGAAGGAGAGTGGGGAGGGGCTCAGGGCCACCTC
 AACTGTGAAATAAACGGGTTTACACTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC003487
Insert Size: 2259 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:	<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:	BC003487 , AAH03487
RefSeq Size:	2918 bp
RefSeq ORF:	2259 bp
Locus ID:	53357
Cytogenetics:	15 E1
Gene Summary:	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]