

Product datasheet for **MC202080**

Pla2g6 (NM_016915) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g6 (NM_016915) 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: >BC052845 sequence for NM_016915
AAGAGGTAATCCGGCCTGACGGCCCTTCCCAAACCTCCTGGTGCCCTGTCTTGAATGTCGTCACCTGG
ACCCTGCTTAGGACCGGCCTCGTGTCTGCGACTCTGAGAGCAGAGGGGCAGGCTGGGTCTCTCCGCTGCC
CCACAGAGGATGCAGTTCTTCGGACGCCTCGTCAACACCTCAGTAGCGTCACCAACTTGTCTCGAACC
CATTCCGGGTGAAGGAGGTGTCCCTGACTGACTACGTCTCAAGTGAACGTGTCCGGGAGGAAGGGCAGCT
GATCCTGTTACAGAATGTCTCCAATCGCACCTGGGACTGTGTCTGGTCAGCCCGAGGAACCCACAGAGC
GGCTTCCGGCTTCCAACTGGAGTCTGAGGCAGACGCCCTGGTGAACCTCCAGCAGTTCTCCTCCAGC
TGCCGCCCTTCTACGAGAGCTCTGTGCAGGTCTGCATGTGGAGGTGCTTCAGCACCTGACCGACCTCAT
CCGGAACCAACCCAGCTGGACAGTGACACACCTAGCCGTGGAGCTTGGCATCCGGGAGTGCTTCCATCAC
AGCCGCATCATCAGCTGTGCCAACAGCACAGAGAATGAGGAGGGCTGCACCCCACTACATCTGGCCTGCC
GCAAGGGTGACAGTGAGATCCTGGTGGAGCTGGTACAATACTGCCACGCCAGATGGATGTCAGTACAA
CAAAGGCGAGACTGCCTTCCATTACGCTGTGCAAGGGGACAATCCCAAGGTGCTACAGCTCCTAGGGAA
AACGCCTCAGCCGGCCTGAACCAGGTAACAACCAAGGGTACTCCACTGCACCTGGCCTGCAAGATGG
GAAAGCAGGAGATGGTGCAGCTCTGCTCTGTAATGCCCGTCAACATCATGGGGCTCGTGGCTT
CCCCATCCACACAGCCATGAAGTTTTCCAGAAGGGGTGTCTGAAATGATTATCAGCATGGACAGCAAC
CAGATCCACAGCAAGGATCCTCGCTACGGAGCCAGCCACTCCATTGGGCCAAGAACGCCGAGATGGCC
GAATGCTGCTGAAGCGGGCTGTGACGTGGACAGCACTAGCTCCTCAGGGAACACAGCCCTGCATGTGGC
GGTGTGTCGCAACCGCTTGGACTGTGTCATGGTGTGCTGACCTACGGGGCTAATGCAGGTGCCCGCGGA
GAGCACGGGAACACGCCACTGCACCTGGCCATGTGAAAGATAACATGGAGATGGTCAAAGCCCTCATTG
TATTTGGGGCAGAAGTGGACACCCCAACGACTTTGGGGAGACTCCTGCATTGATAGCCTCCAAGATCAG
CAAGCAGCTTCAGGATCTCATGCCATCTCTCGAGCCCGAAGCCAGCGTTCATCCTGAGCTCCATGAGG
GACGAGAAGCGGAGTACGACCACCTGCTCTGCCTGGACGGAGGGGGCGTAAAGGCCTGGTCAATATCC
AGCTTCTCATCGCCATCGAGAAGGCCTCGGGAGTGGCCACCAAGGACCTTTCGACTGGTGGCAGGAAC
CAGCACAGGGGGCATCCTGGCCCTGGCCATTCTGCACAGTAAATCCATGGCCTATATGCGTGGTGTGAT
TTCCGTATGAAGGACGAGGTGTTTCGGGGCTCACGGCCCTATGAGTCTGGGCCCTGGAGGAGTCTCTGA
AGCGGGAGTTTGGGGAGCACACCAAGATGACAGATGTCAAAAAACCAAGGTGATGCTGACAGGGACT
GTCTGACCGGCAGCCAGCAGAGCTCCACCTATTCGGAATTACGATGCTCCCGAAGCCGTTCCGAGAGCC
CGCTGCAACCAAAACATTAACCTGAAGCCACCGACTCAGCCTGCAGACCAACTGGTATGGCGTGCAGCC
GGAGCAGTGGGGCAGCCCAACCTATTTCCGGCCAATGGACGCTTCTGGATGGAGGGCTGCTGGCCAA
CAACCCCACTGGATGCCATGACTGAAATCCATGAGTACAATCAGGACATGATCCGCAAGGGCCAGGGC
AACAAAGTGAAGAACTCTCCATAGTCGTTTCTCTGGGGCAGGAAAGTCCCTCAAGTGCCTGTAACT
GTGTAGATGTCTTTCGTCAGCAACCCCTTGGGAACTGGCCAAAACCTGTTTTGGAGCCAAGGAAGTGGG
CAAGATGGTCTGGACTGTTGCACAGATCCAGATGGGCGGGCTGTGGATCGGGCCCGGGCCTGGTGCAG
ATGGTCCGCATCCAGTACTTCAGACTGAACCCCAAGCTAGGGTCCGACATCATGCTGGACAGGTGAGT
ATGCAGTGTGGTCAACGCCCTCTGGGAGACCGAGGTCTACATCTATGAGCACGAGAGGAGTCCAGAA
GCTTGTCCAGTGTCTGTCTCCTTGAGCTCCCGGGCCTGCCAGCACACTGAGGGCAAGCTGGGCT
GGCAGTCCATGTCCATGACTAGGACTCAGAGCACAAACCGGTTCCACAGAGGCACCTCTCCTGGT
CCATCTGACTTTACTACTCGAGGCTGAAAGCCCAGAGTTCCTCAGCCCTTTCCCTGACTATGAAGG
ACAACCTGACTCCATCAAGGACCCACATATCAGAGATCAACACTACGGTCCAGTGGTCCCAGCTCCCT
GGCCACTGCTGCTCACCCCTTCTGCCACCCCTGATGTGAGGACTAGAGAAAAGGGGTTCCACCTAT
CCTAGTGAATCCAGGCTAATGGCATCCAGCGCCATTGACTTTGCCCTCGCACCTGCCAGCCTTCCA
CCCTGCCGCCACCGCACTAGGAGCCCTCTAGCTCCCAAAGTCAACCCTGTGCATGTGCTCTTCTCTGG
AAGGAGAGTGGGGAGGGGCTCAGGGCCACCTCAACTGTGAAATAAACGGGTTTACACTCAAAAAAAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_016915
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:	BC052845 , AAH52845
RefSeq Size:	2950 bp
RefSeq ORF:	2259 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 (1) represents the shortest transcript and encodes the shorter isoform (1). Variants 1, 3, and 4 encode the same protein (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.</p>