

Product datasheet for **MC209184**

Pla2g2d (NM_011109) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pla2g2d (NM_011109) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pla2g2d
Synonyms: mGIID; Splash
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209184 representing NM_011109
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGACTCGCCCTGCTGTGTGGCTGCTGCTGGCCGGTATAACTGCAACCCAGGGAGGGCTCTGAACC
TGAACAAGATGGTCACACACATGACGGGAAGAAAGCCTTCTTCAGCTACTGGCCCTACGGCTGTCACTG
TGGACTTGGTGGCAAAGGGCAACCCAAAGATGCCACAGACTGGTGTGTCAGAAGCATGATTGTTGCTAT
GCCACCTGAAGATCGATGGATGCAAGAGCCTGACAGACAACCTACAAATACAGCATCTCCAGGGGACTA
TCCAGTGTCTGACAACGGGAGCTGGTGTGAAAGGCAACTGTGTGCTTGTGACAAGGAGGTGGCCTTGTG
CTTGAAGCAAACCTGGATAGCTACAATAAGCGCCTGCGTTACTACTGGCGGCCCGTTGCAAAGGCAAG
ACTCCAGCATGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_011109

Insert Size: 435 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).



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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:	<u>NM_011109.2</u> , <u>NP_035239.1</u>
RefSeq Size:	2264 bp
RefSeq ORF:	435 bp
Locus ID:	18782
UniProt ID:	<u>Q9WVF6</u>
Cytogenetics:	4 70.57 cM
Gene Summary:	<p>PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. L-alpha-1-palmitoyl-2-linoleoyl phosphatidylethanolamine is more efficiently hydrolyzed than the other phospholipids examined.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>