

Product datasheet for **MC221884**

Pla2g4d (NM_001024137) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4d (NM_001024137) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4d
Synonyms:	2610311B01Rik; cPLA2delta; Pla2delta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221884 representing NM_001024137
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAGTGGAGATAGAAGAGTAGGCATGGAGAGCCTGTCAACCGAGAGACTACATGGCCATCCTTACC
 AGGAGGAGGCCTCTGTCTTCTGCCGGCTCACTGTGAAAATCCTGGAGGCTCGGAGTCTGCCAGGGCTGA
 CCTGTTGAGTCAGGCAGATCCCTATGTGACTGTGCAGCTGCCAACAGTTCTGGAATGAAATTCAGACC
 CAAACAGTCACTAACTCCAGTCATCCTGTGTGGAACGAGACCTTCAGTTTCCTCATCCAGAGTCAGGTCA
 AGAACATTCTAGAACTAACTATCTATGACGAAGACGTAATTACGAAAGATGACATCTGTTCAAGGTTTC
 TTATGATGTCTCAGAAATCCTTCTGGACAGCTGCTCCAGAAAACCTTCAGCCTGAATCCTCAGGGACCA
 GAAGAGTTAGATGTGGAGCTCCTAATGGAAGAAGCTGGGACCTCCAGAAAACCTCATCACCACAATG
 TTCTTGTGGCCCGAGAAGTGTACACCTGGATGTCTCCCTGGACAGAGCCGGGAACACCGCCATGGCAGC
 AGGCCAGGACAACTAGAGCTGGAGCTTATGCTGAAGGGTTCATATGAGGACACACAGACATTTTCCCG
 GACACAGCTTTTACCTTCAGTTCCACTACATGAGGGGCCAAGACACAGAAGTGAATGGGTACCTGAGGG
 GCCCAGAAAACAGTGGCTGGAACCTCAGATACCTCGGTGACACCTTCAATGTACCCTGATGTGCTTGGC
 CGCAGGGAAGGAGATGACCATAGACATTCCTGCTATGAAGGCTCCAGAAGGGAAGCTGCAGCTTAAGACA
 GACTGTTGCCCAAAGAGCTGTCTGTGAGGCTGAGCTATGGGCTCTGTCCCGAGGAGCAGGCCTTCTAA
 GCAGGAGGAAGAAGGTGGTGGCTGCCGCCCTGAAGCAGGCTCTGCAACTGGATGAAGACTGAACGAAGA
 TGAGGTCCTGTGTGGGCATCAATGCTGAGGGAGGAGGTATGCGGGCTATGATCTCACTCTACGGCCAC
 CTACTGGCGCTCAGAAGTTGGCCCTCCTGGACTGTGTGACCTACTTCAGTGGCATCTCAGGCTCTACAT
 GGACAATGGCCACCTGTACAGGACCCAGAGTGGTACAGAGGGACCTCGAAGGACCCATCAGTCACTGC
 TAGGGAGCATGTGGCTAAAACCTGCTGAAGGAATTCCTCCCGAACACTTGGCAAGCTACCGCCAGACA
 CTGAAGCTTCGGGAAGAGCAGGGCTACACCGTACCGGTAGCAGACCTGTGGGGCTGGTGTGGAGTCCA
 AGCTGCATGGGCAGGTGACAGATCAGAAGCTGTCAGGACAGAGAGCTGCACTGGAGAGGGGTGAGAACCC
 TTTGCCTCTACTTGTAGCCTCAATGTCAAAGAGAACCCTGGAACCCCTCCACTTCAAGGAATGGGTA
 GAGTTCTCTCCCTATGAAGTTGGGTTTCTGAAATATGGAGGCTTGTCCCTTCTGAGCTCTCGGCTCTG
 AGTTCTTCATGGGACGGCTGATGAAGAGACTTCCCGAGTCCAGATTTGCTTTCTGGAAGGTATCTGGAG
 CAACCTTTCTCTGTGAACCTGATGGATATCTGGTATGACATCACCTATGGGAAAGACTCAAACAATTC
 CCTGTGGATGTCCGGAACCTCAGAGAAGGAGTTCTCAGGCTCAGCAGGAACCTCCTCTGGTGTGGAGGCC
 CATGGCTGGAGTCTGGAACAGCTCTGGCCAGGCATTAAGGGCTTTCTGACTGGCAGGCCATTCCACCA
 GCGTAGCGCAACTTCTCCATGGCCTCCAGCTGCACCGGGACTACTGTAACCAGAGACACTTCTCCACC
 TGGGCGGATTGCAACCTAGATGACACCCGAATCAGCTGACCCACAGGACCCCTCAGCTCTGCCTAATTG
 ATGCTGGCTGTTTCATGAACAGCAGCTGTCCCTCCCTGTTCCGCCAGGTCGCCAAGTGGACCTCATAAT
 CTCCTTCAATTACAACCAATCCCTTCCCTTAAAGGGGCTGCAGCAATCTGAGAAAACAGCAGAGCTCGG
 GGCTGCCCTTCCCCGTGTGGAGCCAGCCAGAGGACCACAGCCAGCCCGAGGAATGTTACCTCTTCT
 CAGACCCACCTGCCCGAAGCACCCGTTGTGCTGCACTTCCCGCTGGTCAATGACTCCTCAGGGATCA
 CTAGCCCTGGTGTGAGGCGCAGCCCTGATGAGCTCAAGGCTGGGCAAGTGAATCTCAGAGGGCTGCC
 TCCCCCTACTTTCATGTACAACATGACCTACAAGAACGAAGATTTGACCGGTTGCTTCACTCTCTGACT
 ACAATGTTCAGAACAACAGGGCACTATCCTGCAGGCCCTGAGGACAGTTCTGAAACGGAGGGCTTCA
 GACCAGGCCATTGGGAGTGAAGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024137
Insert Size: 2478 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:	NM_001024137.1 , NP_001019308.1
RefSeq Size:	3311 bp
RefSeq ORF:	2478 bp
Locus ID:	78390
UniProt ID:	Q50L43
Cytogenetics:	2 E5
Gene Summary:	Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position (PubMed:15866882). Compared to its human ortholog, may have no preference for the fatty acid found at the sn-2 position (PubMed:15866882).[UniProtKB/Swiss-Prot Function]