

Product datasheet for **MC207350**

Pla2g5 (NM_001122954) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g5 (NM_001122954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g5
Synonyms:	PLA2; sPLA2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207350 representing NM_001122954 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGGTCTCCTCACACTGGCTTGGTTCCTGGCTTGCAGTGTGCCTGCAGTCCCAGGGGGCTTGCTAG
AACTCAAGTCCATGATTGAGAAGGTGACCAGGAAGAATGCCTTTAAGAACTATGGCTTCTACGGCTGCTA
CTGTGGCTGGGGCGGTCCGGGACACCCAAGGATGGCACTGATTGGTGTGTGCAGATGCAGACCGTTGT
TATGGGCAACTGGAGGAAAAGACTGTGCCATTCGGACCCAGTCCATGACTACAGATACACAAATGGCC
TAGTCATCTGCGAACACGACTCCTTCTGTCCAATGAGGCTCTGTGCCTGTGACCGGAAGCTGGTCTACTG
CCTGCGGAGAAACCTCTGGACTTACAACCTCTTTACCAGTATTACCCCAACTTCTCTGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001122954
Insert Size:	414 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).



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Reconstitution Method:

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_001122954.1](#), [NP_001116426.1](#)

RefSeq Size: 2140 bp

RefSeq ORF: 414 bp

Locus ID: 18784

UniProt ID: [P97391](#)

Cytogenetics: 4 70.57 cM

Gene Summary: PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. This isozyme hydrolyzes L-alpha-palmitoyl-2-oleoyl phosphatidylcholine more efficiently than L-alpha-1-palmitoyl-2-arachidonyl phosphatidylcholine, L-alpha-1-palmitoyl-2-arachidonyl phosphatidylethanolamine or L-alpha-1-stearoyl-2-arachidonyl phosphatidylinositol (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) and variant 2 encode the same protein.