

Product datasheet for MR228198

Pla2g12a (NM_001286948) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pla2g12a (NM_001286948) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pla2g12a
Synonyms: 2310004B05Rik; GXII; GXII-1; GXII-1-PLA2; mGXII-1; Pla2g12; Rossy
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228198 representing NM_001286948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGACTCCGCGGCCCGCCCGCCCGGAGCCCGCGCTCCTCCTCCTGCTGCTGGCCACTGCGC
 GTGGGCAGGAACAGGACCAGACCACCGACTGGAGGGCCACCTCAAGACCATCCGCAACGGCATCCACAA
 GATAGACACGTACCTCAACGCCGCTGGACCTGCTGGCGGGGAGGACGGGCTCTGCCAGTACAAGTGC
 AGCGACGGATCGAAGCCTGTTCCAGCTATGGATATAAACCATCTCCACCAAATGGCTGTGGCTCGCCAC
 TGTTTGGCGTTCATCTGAACATAGGTATCCCTTCCTGACCAAGTGTGCAACCAGCAGCAGATGCTA
 CGAGACCTGCGGGAAAAGCAAGAACGACTGTGACGAGGAGTTCAGTACTGCCTCTCCAAGATCTGCAGA
 GACGTGCAGAAGACGCTCGGACTATCTCAGAACGTCCAGGGTGATAGAGGAGGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228198 representing NM_001286948
 Red=Cloning site Green=Tags(s)

MVTPRPAPARSPALLLLLLLATARGEQDQTTDWRATLKTIRNGIHKIDTYLNAALDLLGGEDGLCQYKC
 SDGSKPVPYGYKPSPPNGCGSPLFGVHNLNIGIPSLTKCCNQHDRCYETCGKSKNDCDEEFQYCLSKICR
 DVQKTLGLSQNVQGDRGGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_001286948.1, NP_001273877.1</u>
RefSeq Size:	1630 bp
RefSeq ORF:	480 bp
Locus ID:	66350
Cytogenetics:	3 G3
MW:	17.8 kDa
Gene Summary:	PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Does not exhibit detectable activity toward sn-2-arachidonoyl- or linoleoyl-phosphatidylcholine or -phosphatidylethanolamine (By similarity).[UniProtKB/Swiss-Prot Function]