

## Product datasheet for MR219162

### Pla2g12a (NM\_183423) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pla2g12a (NM\_183423) 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:** >MR219162 representing NM\_183423  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAAGACTACCACAGTGGTCTGGGAAGTACTGGGAGCCATTTGCCTTTCCTGTAGGCTGTTCCGGGA  
CAGAAGAAGAAGAAGGTCTCAGGATTGGAAGATCGAAGCCTGTTCCACGCTATGGATATAAACCATCTCC  
ACCAAATGGCTGTGGCTCGCCACTGTTTGGCGTTCATCTGAACATAGGTATCCCTTCCCTGACCAAGTGC  
TGCAACCAGCACGACAGATGCTACGAGACCTGCGGGAAAAGCAAGAACGACTGTGACGAGGAGTTCCAGT  
ACTGCCTCTCAAGATCTGCAGAGACGTGCAGAAGACGCTCGGACTATCTCAGAAGCTCCAGGCATGTGA  
GACAACGGTGGAGCTCCTCTTTGACAGCGTCATCCATTTAGGCTGCAAGCCATACCTGGACAGCCAGCGG  
GCTGCATGCTGGTGTCTGTTATGAAGAAAAACAGATCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219162 representing NM\_183423  
Red=Cloning site Green=Tags(s)  
MKDYHSGPGKYWEPFAFPVGCSTEEEEGLRIGRSKPVPRYGYKPSPPNGCGSPLFGVHLNIGIPSLTKC  
CNQHDCRYETCGKSKNDCDEEFQYCLSKICRDVQKTLGLSQNVQACETTVELLFDVSIHLGCKPYLDSQR  
AACWCRIYEKTDL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI





<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_183423.3</u>
<b>RefSeq Size:</b>	1340 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	66350
<b>UniProt ID:</b>	<u>Q9EPR2</u>
<b>Cytogenetics:</b>	3 G3
<b>MW:</b>	17.6 kDa
<b>Gene Summary:</b>	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]