

## Product datasheet for **RR202456**

### Pla2g2c (NM\_019202) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pla2g2c (NM\_019202) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pla2g2c  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202456 representing NM\_019202  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGACCTCTGGTCTCCTCAGGAATGAAGGGCATCGCTGTCTTCCTTGTCTTTATCTTCTGCTGGACAA  
CCTCCACCCTCAGCAGCTTCTGGCAGTTCAGAGGATGGTCAAACACATCACGGGGCGCAGCGCTTCTT  
CTCCTATTACGGATATGGCTGCTACTGTGGCTTGGGGCCGAGGGATCCCTGTGGACGCCACAGACAGG  
TGCTGCTGGGCTCATGACTGTTGCTACCACAAGCTTAAGGAATATGGCTGCCAGCCATCTTGAATGCCT  
ATCAGTTTGCCATTGTCAACGGGACCGTGACCTGTGGATGCACCATGGGTGGCGGCTGCTTGTGCGGGCA  
GAAAGCCTGTGAGTGTGACAAACTGTCTGTGACTGCTTCAAGGAGAACCTGGCCACCTACGAGAAA  
TTCAAGCAGCTCTCCCCACCAGCCCCAGTGTGGCAGGGACAAACTCCATTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202456 representing NM\_019202  
 Red=Cloning site Green=Tags(s)

MDLLVSSGMKGIAVFLVIFCWTSTLSSFWQFQRMVKHITGRSAFFSYGYGICYGLGGRGIPVDATDR  
CCWAHDCCYHKLKEYGCQPILNAYQFAIVNGVTGCTMGGGCLCGQKACECDKLSVYCFKENLATYEK  
FKQLFPTRPQCGRDKLHC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_019202.2</a> , <a href="#">NP_062075.1</a>
<b>RefSeq Size:</b>	1757 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	29387
<b>UniProt ID:</b>	<a href="#">P39878</a>
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	17.7 kDa
<b>Gene Summary:</b>	catalyzes Ca <sup>2+</sup> dependent hydrolysis of phospholipids including hydrolysis of L-alpha-1-stearoyl-2-arachidonyl phosphatidylinositol [RGD, Feb 2006]