

## Product datasheet for **RR210711**

### Pla2g12a (NM\_001108565) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Pla2g12a (NM\_001108565) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Pla2g12a  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR210711 representing NM\_001108565  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGCTCCGCCGCCCGCCCGCCCGGGGCCCTGCGCTCCTGCTCCTGCTCTTGCTGGTCACCGCTC  
GCGGCCAGGAACAGGACCAGACCACCGACTGGAGGGCCACCCTCAAGACCATCCGAAACGGCATCCACAA  
GATAGACACGTACCTCAACGCCGCTGGACCTGCTGGCGGAGAGGACGGGCTCTGCCAGTACAAGTGT  
AGCGACGGATCGAAGCCTGCCCCACGCTATGGATATAAACCATCACCAACAAATGGATGTGGCTCTCCAT  
TGTTTGGTGTTCATCAGCATGCGAGACGACAGTGGAGCTCCTCTTTGACAGCGTCATCCATTTGTTGGT  
GTTTCATCAGCATGCGAGACGACAGTGGAGCTCCTCTTTGACAGCGTCATCCATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210711 representing NM\_001108565  
Red=Cloning site Green=Tags(s)

MVAPPPAPARGPALLLLLLLVARGQEQDQTTDWRATLKTIRNGIHKIDTYLNAALDLLGGEDGLCQYKC  
SDGSKPAPRYGYKSPPNGCGSPLFGVHQHARRQWSSSLTASSICLVFISMRDSSGAPL\*QRHP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja1712\\_b09.zip](https://cdn.origene.com/chromatograms/ja1712_b09.zip)

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001108565

**ORF Size:** 342 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**
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 Size:** 1366 bp

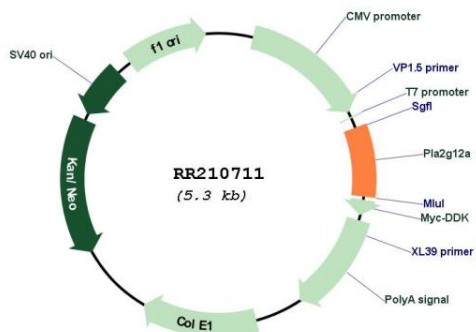
**RefSeq ORF:** 345 bp

**Locus ID:** 362039

**Cytogenetics:** 2q43

MW: 12.3 kDa

### Product images:



Circular map for RR210711