

## Product datasheet for **RR214472**

### Pla2g3 (NM\_001106015) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g3 (NM_001106015) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pla2g3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214472 representing NM\_001106015  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGTCTGGGGATACTTCTGGGGTCTGGCTTTCCTGGGGTGTTCAGAAAGGCTCCCATACCC  
 TCCATTGGGACAGTACCTCCTGCCATTTGGTCCGGTCCATCTCTGGTAGCCCTCTGGGCTCCCTGAGCTT  
 CTTGGGCGAAGATGCCAAGGCCTGGCATTATTCCAGGCCTCTGGGATGCGCACCACAGGCTGCAGGTT  
 TGTATCAGGCAGGATGAATCCGAGCTCATCGAGCCTTCAGGGCTCTCTGTGCTCATGAGCCCTTGGCGC  
 ACGCCTTCATCCACACCCTGGACCAGAGCTGCAGAGAGCACTGGCCACTCTGCAGAGCCAGTGGGAGGC  
 CTGCCGAAGTCTGAGGCTAGTCCACGGGAGCCAGGGAGAAGCGAGAAACAGAGCACCGCGGAGCACCT  
 GCCGGAGAGCACCAACGAAGGAGAAGAGGCTGGACCATTCTGGCAGCTGTGGTGGGTTGGGAACT  
 CTGCTGAGAATGCCTCAGAACTGGGTATGTTCCACGGCCCTGATTTCTGCTGCCGGGAGCAGCACCAGTG  
 CCCACAAACCATCTCACCTTGCAGTATAATTACGGCATCCGAAACTTCGATTCCACACCATCTCTCAC  
 TGGGACTGTGATGCCAGGTTTAAACAGTGCCTGAGGAGCCAGGGTACTCCATCGCGGACATCATGGGCG  
 TGGCTTCTTCAACGTGCTGGAGATCCCCTGCTTTGTGCTGAAGGAGCAGGAGACCTGTGTGGCTTGGCA  
 CTGGTGGGGCGGGTGCAGGACATATGGCTCCTTACCCCTTGTCTACCTGCAGCCAGGACTTACTACAAC  
 GCCTCCTGGAAGGCTGAAGCCACCCACTTACTCCCAGCCCCAAAGCCAGCACCCAGCTGGAAGAGGG  
 GCCACAGCAGACACCAGCCAGACACCACAGCACAAACCACCGTCACTCCCTCCAGACCCCTGCCATCTC  
 CTCCAGACCTGATATGATGATCCCGAGAGGCCAGCCAGGAGTCTCCATCCCGGCTCCAGGATGGCCCA  
 AAACGTCAAGGTGCCACCGTGTCTGCGAAGCCTTCGCCACCTGGATCAGTGGCAGCACCAGATCAAGC  
 CCCAGGAAACCAAGTCCACCTGCTCAACAGCGCCAGCCAGCCCTTTTCCATTGCAATTGCACCCGCCG  
 TCTGGCACGTTTCTGAGGCACCACAGCCTGCCTGCAAACACCAACGAAGTTTGGGAGCTCCTGGTACT  
 ACCTGTTCAAGCTGGCCCCAACAACCTCACTGTCTGAGGGCAAAGGCTGTTCCAGAGACCATAGGGCCA  
 TCAAGGTGTGAGCTCGGCATTTGAGAGGCTTTCATCAGAATGGACTCCATTTCTGGGATAAAGGCACCGG  
 GGAGGTTCTGGCACAGCCTTTGGAGCCCCGGGGACCCTCATGTCATTCTACAGCCAATGTCTGCAACTA  
 ACCCAGGCAATCTGGAGACCCGGGGACAGAAGAAATTCTGGAGCTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214472 representing NM\_001106015  
 Red=Cloning site Green=Tags(s)

MGVLGILLGVLAFLGVVPEGSHTLHWDSTSCHLVRSISGSPLGSLSFLGEDAQGLALFQALWDAHHRLQV  
 CIRQDESELIAAFRALCAHEPLRHAFIHTPGPELQRALATLQSQWEACRRSEASPTGAREKRETEHRGAP  
 AGEHQRRRRGWTIPGTLWCGVGNSENASELGMFHGPDFCCREHDQCPQTI SPLQYNYGIRNFRFHTISH  
 CDCDARFQQCLRSQGDSIADIMGVAFVFNLEIPCFVLKEQETCVAWHWWGGCRTYGSLPLAHLQPRTYYN  
 ASWKAEATPLTPSPQSPAPSWKRGPPQTPARHSTTTVTPLQTPAISSRPDMMIPRGQPGVSHPLQDGP  
 KRQGAHRVCRSLRHLRDLQCEHQIKPQETKFHLLNSAQTPLFHCNCTRRLARFLRHHSPLANTNKVWELLGT  
 TCFKLAPQLNCPGKGC SRDHRAIKVSARHLQRLHQNLHFWDKGTGEVLAQPLEPPGTLMSFYSQLQL  
 TQAIWRPGGQKFWSS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

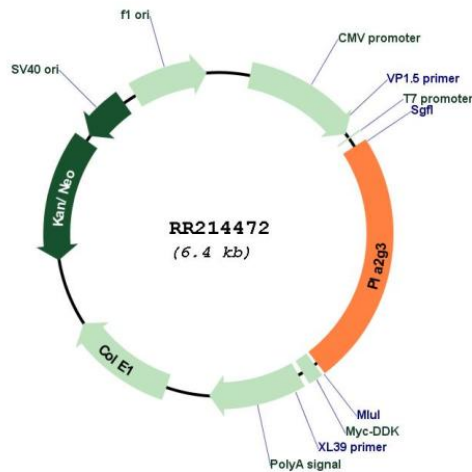
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001106015

ORF Size: 1518 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:** [NM\\_001106015.1](#), [NP\\_001099485.1](#)

**RefSeq Size:** 2526 bp

**RefSeq ORF:** 1521 bp

**Locus ID:** 289733

**Cytogenetics:** 14q21

**MW:** 56.7 kDa