

Product datasheet for **MR210623**

Pla2g4b (BC098210) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4b (BC098210) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pla2g4b
Synonyms:	MGC28892
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR210623 representing BC098210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCAAAGGTGCCAGAGACATGCCTGCTACTGTACGCGTCTCCGGGCCAGTGGCTTGCCTTCCA
 AGGACCTAGTAACCTCCTCTGACTGCTATGTGACTCTGAACCTGCCACGGCTTCCAGCCACACGCTCCA
 GACACGCACAGTCAAGAACAGCCGAAACCTGTCTGGAATCAGAACTTCCAATTCCGGATCCATAGGCAG
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 TGCTGTTTACGTTGGGACCTGCAAATTTGGGACTCAGCGCCAGAGCTTCTCCTTGGGACTCAGGAGAA
 AGGGTGCTTAGAAGTTGAGTTTCGGCTACAGACTCTGACAGACTGTGAGGAACAGCTCATCAGCAATGGC
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence: >MR210623 representing BC098210
 Red=Cloning site Green=Tags(s)

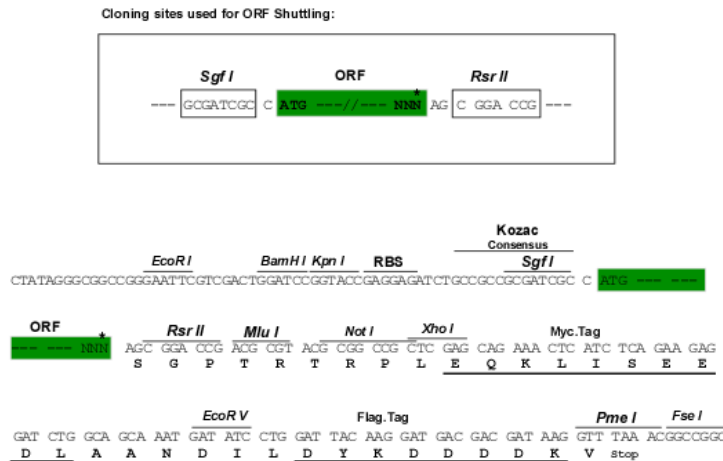
MQAKVPETCLLTVRVLASGLPSKDLVTSSDCYVTLNLPTASSHTLQTRTVKNSRNPVWNQNFHFRIHRQ
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 I VVARELSCLHVELKRTGDPKRSEKRVQLVVAGACEGPQDASAGTGSFHFHYPACWEQELNVHLQDDPHE
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 DVDLILSLDYNLYGAFQQLQLLSRFCEQGI PFPSISPSPEEQRPQECHLFCDPAQPEAPAVLHFPLVN
 DSFQDYPAGVPRTSEEKAAGEVNLSSSDSPYHYTKVTSQEDVDKLLRLTHYNICNNQDRLEAMHQAV
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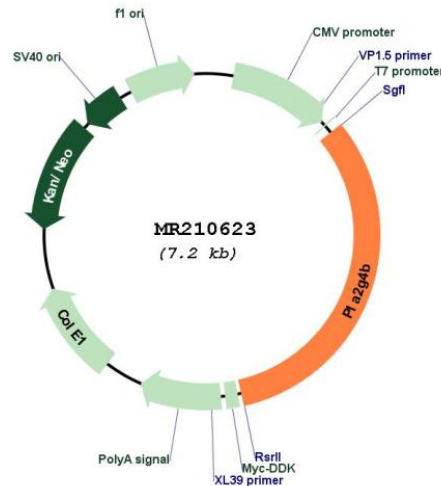
Restriction Sites:

SgfI-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: BC098210

ORF Size: 2346 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: [BC098210](#)

RefSeq Size: 4272 bp

RefSeq ORF: 2348 bp

Locus ID: 211429

Cytogenetics: 2 E5

MW: 156.6 kDa

Gene Summary:

Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position with a preference for arachidonoyl phospholipids. Has a much weaker activity than PLA2G4A (By similarity).[UniProtKB/Swiss-Prot Function]