

Product datasheet for MC203157

Pla2g2c (NM_008868) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g2c (NM_008868) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g2c
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>BC029347</p> <pre> GGCAGAAAGGGTCTAACTATATACAGTCAGCAACTCCAGCCACTCACCGCGTTTCCCAACAGCTTTGAG TTTTGGAGGCCCGCAGCCTGACTGCTTTCTCAGAAGCTATGGTCCACTACCTCAGCCATTCTGTTGGAGC CAAACGGCAAAATGAAGGTGAAATCCCCGTACCGTGGACCTCCTGGTCACCTCGGGAATGAAGGGCATTG CTGTCTTCTTGTCTTCTACTGGACAACCTCCACCCCTCAGCAGTTTCTGGCAGTTCCAGAGGAT GGTCAAACACGTACAGGGCGCAGCGCCTTCTTCTCCTATTACGGATATGGCTGCTACTGTGGGCTTGGG GGCAAAGGGCTCCCTGTGGATGCCACAGACAGGTGCTGCTGGGCTCATGACTGCTGCTACCACAAGCTTA AGGAATATGGCTGCCAACCCATCTTGAATGCCTACCAGTTCACCATTTGTCAATGGGACGGTGACCTGTGG ATGCACCGTGGCCAGCAGCTGCCTCTGCGGGCAGAAGGCCTGTGAGTGTGACAAACAGTCTGTGTACTGC TTCAAGGAGAACCTGGCCACCTACGAGAAGGCCTTCAAGCAGCTTCCCGACCAGGCCTCAGTGTGGCA GGGACAAAACCTCCAGTGTAGGAAGGCCACCCCTCCCTCCATCACCTGCTCTAGTCCCGAGCCCTTCT GAAGAGCTTTGCTGTCTGGGGAGTGTCTTTTCAGTCATTAAGGGACTGGAGGTGGAGAATTCTGCCCTG GAAACAAACCGTGGGTATCTGGCCATTAAGAGATACAGTCTGTGAGTGGAAACAAGGACATAAGGGAGC AGGGATGGGGGATCCTGCAATCCCAGCATTTGAGACATGGAGGCAGGAGAGGAAGGAGAGGCAGGAGG CCAGGGGCAACCTCCACTATACGGTAAGTTCAAGGCTAGCCTGAGCTACTTTAGACCCTGCCTTGAAAAAT TTTTTTAAACATTTTTTAAAGGAAAATAAAACAGGGGAACACAGGGGTTGAGCTGAAAGGTGCTCTCAA CCCTTCTCCCCAGAAGAGCAGAGAGCCCCAGGATCCAGCCTAACTCCCCTGTACCCTCTATCCTGGTCA GGATGTGTGTCTGACTGGGAACCAAGTCATCTACCCAGGTCAGGCTGGGAAGTGAGCCGGGATCCTAGA AAACACAGCCCAGGAGCCTCGCCTGGAATCTCCTCATTTGCACCAGGTCTGACCTCTCCAGCAGGATGCA GGCTGCACCCCTGTCTCAGAAGGTGGGGCACTGTCAAAAAATGGTGTGCCACCAGTGCCACAAGATGTC ATTGGTTAAGATGGCATCAAGAAATGAAAGAGGATGTTCCGGACAGGGGTCCAAGGCACCCAAAATCC TTACCCCAATATAGAAGCCTTTGGTCTGTAAGACTTAATTCTAGTAAACAAGGAAGGTCTAAACAAAAA AAAAAAAA </pre>
Restriction Sites:	RsrII-NotI
ACCN:	NM_008868
Insert Size:	453 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>BC029347</u> , <u>AAH29347</u>
RefSeq Size:	1480 bp
RefSeq ORF:	453 bp
Locus ID:	18781
UniProt ID:	<u>P48076</u>
Cytogenetics:	4 70.54 cM
Gene Summary:	PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Testis PA2 may be important in the production of prostaglandins, by the release of arachidonic acid, which in turn are necessary for the contractions of the seminiferous tubules and the testicular capsule; they also seem to decrease sperm transit time through the male reproductive tract.[UniProtKB/Swiss-Prot Function]