

Product datasheet for **MC222204**

Pla2g4f (NM_001024145) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4f (NM_001024145) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4f
Synonyms:	4732472I07Rik; Gm647; Pla2zeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222204 representing NM_001024145
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTGGACTCTCCAGCCAAAGTGGCTGGCAGGCAAGGGACTTCCCCTTCTTGGAGCCATACTGTACT
 GGAAGACAGAAAAGAGCGAACCACAATGGAAGCATAGGCGGCAGGAAACCCACCCATACTACGACCTTCA
 AGTGAAGGTGCTGAGGGCCAGAAACATCCAGCACACAGATAAGTTGTCCAAAGCCGACTGCTATGTTTCA
 CTGTGGCTGCCACGGCTTCTGTAGCCCCAGTCAGACAAGGACAGTGGTTAACAGCAGTGATCCAGAAT
 GGAATGAGACCTTCCCTATCAGATCCACGGCGCTGTGAAGAACGTCTGGAGCTTGCCCTTTATGACGA
 GGATGTCTGGACAGTGACAATGTCTTCTCCATTCTGTTTACACGAGTACTCTTCAGCTAGGCCAGCCT
 TGCACAAAAAATTCACCAGGCAGCAGGATCCAAAAGAGCTGGAAGTAGAATTTACTCTGAAAAAGAGTC
 AGACGCCTGCATCTGAAGTTGTCACCAATGGTGTCTGGTGGCTCACCCCTGTCTGAGAATTCAGGGCAC
 AGTCACTGGAGACAAGACAGCCTCCCTTGGAGAGTTGGGCTCCAGGCAGATCCAGCTGGCAGTGCCTGGG
 GCCTATGAAAAGCCACAGCCTCTGCAGCCAACCTCGGAGCCAGGCTCCCAAGTAACTTTACCTTCCAGG
 TGAACCCAGTGTGAGCCCAAGCTGCACATAAAGCTGCAAGAACAGCTCCAAGTCTTCCATAGTGGCCC
 GAGTGTAGAGCTGGAAGCTCAGACCAGCAAGATGGACAAGGCAAGCATCTCTCTCTCTGCCCCCTC
 AACGAGGAGTTAACGAACTTGTGGACCTGGAGGAGGGCCAGCAGGTGTCTCTTAGGATGAAGGCAGACA
 TGAGCAGCTCTGGGGACTTGGACCTGCGCCTTGGTTTTGACCTCTGTGATGGAGAGCAGGAATTTCTGGA
 CAAGAGGAAGCAGGTGGCGTCCAAGGCCCTGCAGCGGGTATGGGATTGAGTGAGGCTCTGCACTGTGAC
 CAGGTACCTGTGGTAGCCGTGTTAGGCTCTGGGGTGAACAGAGCCATGACTTCCCTGTACGGCAGCC
 TGGCTGGGCTGCAGGAGCTTGGTCTTCTGGATGCCGTGACCTACCTGAGTGGGGTCTCTGGGTCTTCTG
 GTGCATCTACACTCTACAGGGATCCATCCTGGTCCCAGAAGGCTTTCAGGGCCCATTAATATGCCC
 TCAGAGCGAGTCTGCAGCAGTAAAATTGGGATGTGTCCCAAAGCAGTTTGAATACTACTCCCGGAAAA
 AGAGAGCCTGGGAGAGCAGGGGACACAGCATGTCTTCACTGACTTGTGGGGCCTCATATTGAGTATTT
 CCTGAACCAGGAGGAAAACCTGCCAAGCTGTCCAGACCAGCAAGAAACGGTCAGCCAGGGTCAGAACCCA
 TACCCCATCTATGCCAGCATTAAATGTCCACAAAAACATCAGTGGGGACGACTTTCAGAGTGGTGCAGT
 TCACCCCTATGAGGTCGGTTTTCCCAAGTACGGGGCTTACGTTCCACGGAACCTTTGGCTCTGAATT
 CTTTATGGGCCGGCTGTGCATTTCTGGCCAGAGCCCGCATCTGTTACCTGCAGGGTATGTGGGAAGT
 GCTTTTGCAGCCAGCCTGTATGAGATCTTCTGAAGCTGGGAGGCCTAAGCCTGAGCTTTCTGGACTGGC
 ACAGGGGGAGTGTCAAGTGTACAGATGACTGGCCAAAGTTACGGAAGCAGGACCCACACGGCTGCCTAC
 CAGACTCTTACGCCAATGAGTTCCTTCTCTCAGGCTGTGCTGGACATATTCACCTCCCGTATTACTTGT
 GCCCAGACCTTTAACTTTACCCGAGGTCTCTGCATGTACAAAGACTACACAGCTAGAAAAGGACTTCGTGG
 TCTCTGAAGATGCATGGCATTACATAACTATGGATACCTGTATGCCTGTCCCAACCAGCTCACACCCAT
 GAAGGACTTCTGTCCCTAGTAGATGGAGGCTTGTCTATCAACTCGCATTTCCTACTGGTCTGCAGCCG
 CAGCGGGCTGTGGACCTCATTGTCTCTTGGACTTTCCTTGAAGGCCCTTTTGGGTCCTGCAGGTGA
 CAGAGAAGTACTGCCGGGACCGAGGGATCCCCTTCCCAAGGATTGAGGTGGACCCCAAGGACTCTGAAGA
 CCCCGTGAATGCTATCTGTTTGTGAGCAGAGGACCCCTGCTCGCCATCGTGTCTGATTTCCCTCTT
 GTCAACAGGACCTTTTCGACGCACCTGGCCCCAGGTGTGGAACGACAAACAGCTGAGGAGAAGGCCTTCG
 GGGACTTTATCATCAACGGCCAGATACTGCCTATGGCATGATGGATTTACCTACGAGCCCAAGGAATT
 TGATCGGCTGGTACCCTGAGCCGATACAACGTCTTGAACAACAAGGAGACTATCAGGCATGCCCTCCAG
 CTGGCTCTGGACCGCGCGGCAGGCTGGGGGAAGGGTTGGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001024145
Insert Size: 2568 bp

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>NM_001024145.2</u> , <u>NP_001019316.1</u>
RefSeq Size:	3125 bp
RefSeq ORF:	2568 bp
Locus ID:	271844
UniProt ID:	<u>Q50L41</u>
Cytogenetics:	2 E5
Gene Summary:	<p>Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position. Has higher enzyme activity for phosphatidylethanolamine than phosphatidylcholine.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>