**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for MC224237

## Pnpla6 (NM_015801) Mouse Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | Pnpla6 (NM_015801) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Pnpla6 |
| **Synonyms:** | AI661849; MSws; Nte |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Cell Selection:** | Neomycin |
| **Fully Sequenced ORF:** | >MC224237 representing NM_015801<br>Red=Cloning site Blue=ORF Orange=Stop codon<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGGAGGCCCCACTGCAAACCGGAATGGTGCTGGGCGTGATGATCGGGGCCGGAGTGGCGGTGCTGGTCA<br>CCGCCGTGCTCATCCTCTTGGTGGTGCGAAGGCTGCGGGTGCAGAAAACTCCAGCCCCGGAGGGTCCCCG<br>GTATCGGTTCCGGAAGCGGGACAAAGTGCTTTTCTATGGCCGGAAGATTATGCGGAAGGTGTCACAGTCC<br>ACTTCTTCCCTGGTGGACACATCAGTCTCCACCACTTCCCGGCCCCGCATGAAGAAGAAACTGAAGATGC<br>TTAACATTGCCAAGAAGATCTTACGTATCCAAAAGGAGACTCCGACCCTACAACGGAAGGAGCCCCCACC<br>TTCAGTGCTGGAGGCTGACCTCACAGAGGGAGACCTGGCCAATTCCCACCTACCCTCTGAGGTACTCTAC<br>ATGCTTAAGAATGTTCGGGTGCTAGGTCACTTTGAGAAGCCGCTCTTCCTGGAGCTCTGCCGGCACATGG<br>TCTTCCAGCGTCTCGGGCAGGGGGACTATGTTTTTCGGCCCGGTCAACCAGATGCCAGCATCTATGTGGT<br>TCAAGATGGGCTGCTGGAGCTCTGCCTACCAGGGCCTGATGGGAAGGAGTGTGTGGTGAAGGAGGTGGTT<br>CCTGGAGACAGCGTCAACAGCCTTCTGAGCATCCTTGATGTCATCACGGGTCACCAGCATCCCCAGCGGA<br>CTGTGTCAGCCAGGGCTGCACGGGACTCCACAGTGCTGAGACTCCCAGTAGAAGCCTTCTCTGCTGTCTT<br>CACCAAGTACCCTGAGAGTTTGGTGCGAGTGGTACAGATCATCATGGTAAGGCTGCAGAGAGTCACCTTC<br>CTGGCGCTTCACAATTACCTGGGTCTGACCAATGAACTCTTCAGTCATGAGATCCAGCCCCTACGCCTTT<br>TCCCCAGCCCCGGCCTCCCGACCCGAACCAGCCCTGTCCGTGGCTCTAAACGGGTAGTCAGCACCTCAGG<br>TACTGAGGACACCTCAAAGGAGACCTCTGGCCGGCCCCTGGACTCCATTGGAGCTCCTCTGCCTGGACCT<br>GCAGGGGATCCCGTGAAGCCCACATCCTTAGAAGCACCCCCAGCCCCGTTACTGAGCCGCTGCATCTCCA<br>TGCCAGTAGACATCTCAGGCTTGCAAGGTGGCCCTCGTTCTGATTTTGACATGGCCTATGAACGTGGACG<br>GATATCTGTTTCTCTTCAAGAAGAGGCATCTGGGGGACCTCAGACAGCATCCCCTAGGACCCCCACTCAG<br>GAGCTCCGGGAGCAGCCAGCGGGTGCCTGTGAATATAGCTACTGTGAGGATGAGTCAGCCACAGGCGGAT<br>GTCCCTTTGGGCCCTACCAGGGCCGCCAGACAAGCAGCATCTTTGAGGCTGCAAAGAGAGAGCTAGCCAA<br>GCTGATGCGGATTGAGGACCCCTCTCTACTGAACAGCAGAGTCTTGCTACATCATGCCAAAGCCGGCACC<br>ATCATAGCCCGCCAAGGGGACCAGGATGTGAGCCTGCACTTTGTGCTCTGGGGCTGCCTGCACGTGTACC |



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AGCGCATGATTGACAAGGCTGAGGAAGTGTGCCTATTTGTGGCACAGCCAGGGGAGCTGGTGGGGCAACT
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GTCCACACTCCGGCAACGACGCTTTCTGCCTCAGGAGACTCCCAGCTCAGTCGCAGATGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_015801

**Insert Size:** 3984 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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_015801.2, NP_056616.2 |
| **RefSeq Size:** | 4455 bp |
| **RefSeq ORF:** | 3984 bp |
| **Locus ID:** | 50767 |
| **UniProt ID:** | Q3TRM4 |
| **Cytogenetics:** | 8 1.92 cM |
| **Gene Summary:** | Phospholipase B that deacylates intracellular phosphatidylcholine (PtdCho), generating glycerophosphocholine (GroPtdCho). This deacylation occurs at both sn-2 and sn-1 positions of PtdCho. Its specific chemical modification by certain organophosphorus (OP) compounds leads to distal axonopathy.[UniProtKB/Swiss-Prot Function] |