

Product datasheet for MC224238

Pnpla6 (NM_001122818) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pnpla6 (NM_001122818) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pnpla6
Synonyms: A1661849; MSws; Nte
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224238 representing NM_001122818
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGTCACTCCAGCCAAAGGACTGCAGGCTACAAGACCTGCTACCTAGTCCGAAACAATCGATGG
 AGGCCCCACTGCAAACCGGAATGGTCTGGCGTGATGATCGGGCCGGAGTGCCGGTCTGGTCCACCGC
 CGTGCTCATCCTCTTGGTGGTGCAGAGGCTGCGGGTGCAGAAAACCTCCAGCCCCGGAGGGTCCCCGGTAT
 CGGTTCCGGAAGCGGGACAAAGTCTTTCTATGGCCGGAAGATTATGCGGAAGGTGTACAGTCCACTT
 CTTCCCTGGTGGACACATCAGTCTCCACCACTCCCGGCCCGCATGAAGAAGAACTGAAGATGCTTAA
 CATTGCCAAGAAGATCTTACGTATCCAAAAGGAGACTCCGACCCTACAACGGAAGGAGCCCCACCTTCA
 GTGCTGGAGGCTGACCTCACAGAGGGAGACCTGGCCAATCCACCTACCTCTGAGGACTCTACATGC
 TTAAGAATGTTCCGGTGTAGGTCACTTTGAGAAGCCGCTCTTCTGGAGCTCTGCCGGCACATGGTCTT
 CCAGCGTCTCGGGCAGGGGACTATGTTTTTCGGCCCGGTCAACCAGATGCCAGCATCTATGTGGTTCAA
 GATGGGCTGCTGGAGCTTGCCACCAGGGCTGATGGGAAGGAGTGTGTGGTGAAGGAGGTGGTTCCTG
 GAGACAGCGTCAACAGCCTTCTGAGCATCCTTGATGTCATCACGGGTCAACAGCATCCCCAGCGGACTGT
 GTCAGCCAGGGCTGCACGGGACTCCACAGTGTGAGACTCCAGTAGAAGCCTTCTCTGCTGTCTTACC
 AAGTACCCTGAGAGTTTGGTGCAGTGGTACAGATCATCATGGTAAGGCTGCAGAGAGTCACTTCTCGG
 CGCTTCAATTACCTGGGTCTGACCAATGAACCTTTCAGTCAAGATCCAGCCCTACGCCTTTTCCC
 CAGCCCCGGCCTCCCGACCCGAACCAGCCCTGTCCGTGGCTCTAAACGGGTAGTCAGCACCTCAGGACT
 GAGGACACCTCAAAGGAGACCTTGCCCGGCCCTGGACTCCATTGGAGCTCCTCTGCCTGGACCTGCAG
 GGGATCCCGTGAAGCCACATCCTTAGAAGCACCCCGCCGTTACTGAGCCGCTGCATCTCCATGCC
 AGTAGACATCTCAGGCTTGAAGGTGGCCCTCGTTCTGATTTTGACATGGCCTATGAACGTGGACGGATA
 TCTGTTTCTCTTCAAGAAGAGGCATCTGGGGACCTCAGACAGCATCCCCTAGGGAGCTCCGGGAGCAGC
 CAGCGGGTGCCTGTAATATAGCTACTGTGAGGATGAGTCAGCCACAGGGGATGTCCCTTTGGGCCTA
 CCAGGGCCCGCAGACAAGCAGCATCTTTGAGGCTGCAAAGAGAGAGCTAGCCAAGCTGATGCGGATTGAG
 GACCCCTCTACTGAACAGCAGAGTCTTGTACATCATGCCAAAGCCGGCACCATCATAGCCCGCCAAG



GGGACCAGGATGTGAGCCTGCACTTTGTGCTCTGGGGCTGCCTGCACGTGTACCAGCGCATGATTGACAA
 GGCTGAGGAAGTGTGCCTATTTGTGGCACAGCCAGGGGAGCTGGTGGGGCAACTGGCGGTGCTCACTGGG
 GAACCTCTCATCTTCACACTACGTGCCAGAGAGACTGCACCTTCCTGCGGATCTCCAAATCCCCTTCT
 ATGAGATCATGCGTGCACAACCCAGTGTGGTACTGAGTGCAGCTCACACGGTGGCTGCTAGAATGTCCCC
 CTTGTCGCCAGATGGACTTTGCCATTGACTGGACAGCTGTGGAGGCTGGTCTGCGCTCTACAGGCAG
 GGAGACCCTCCGACTGCACCTACATTGTAACAATGGACGTCTCCGTAGTGTATCCAACGAGGCAGTG
 GCAAGAAGGAGCTAGTTGGGGAGTATGGTCGAGGGGATCTATTGGCGTGGTGGAGGCACCTGACCCGCA
 GCCACGAGCCACCCTGTACACGAGTGGCAGACACTGAGCTGGCCAAGCTTCCCGAGGGCACCTTAGGC
 CACATCAAACGTCGGTACCCACAGGTTGTGACCCGCTTATTCATCTGCTAAGCCAGAAAATTCTAGGCA
 ATCTGCAGCAGTTGCAAGGACCTTTCCAGGCTCCGGGCTCAGTGTTCGCAGCACTCGAACTGACCAA
 CCCAGCCAGCAATCTGTCTACTGTAGCTATCCTCCCTGTGTGCTGAGGTGCCATGATGGCCTTACT
 CTGGAAGTGCAGCATGCTCTGCAAGCTATTGGTCCCACGCTCCTCTAACAGTGACGTATCCGGGCAC
 TCCTGGGGCTTCCAGCACTGGATAGCATTCAAGAATTCCGGCTGTGAGGTGGTGGCCAGCAGGAAGA
 TGCCCATCGATTGTGCTCTACCAAAGTACACATCCCTGACGCCTTGGACCGTCCGTTGTCTGCGCCAG
 GCCGACTGCATCCTCATTGTGGGCTGGGGGACCAGGAACCCACTGTTGGCCAGCTGGAGCAAATGTTAG
 AGAACACTGCTGTCCGTGCCTTGAAGCAACTGGTTTTGCTGCACCGGGAGGAAGGCCCTGGTCCACGCG
 CACTGTAGAGTGGCTCAACATGCGCAGCTGGTGTCTCAGGGCACCTGCACCTGCGCTGTCTCGCCGCTC
 TTCTCACGGCGCAGCCAGCGAACTTCATGAGCTGTATGAGAAGTTTTCTCCAGGCGTGCAGACCGTC
 ACAGCGACTTCTCCCGCTTGGCAGGACTACTCACAGGAAACACTATTGCTCTGGTGTGGTGGGGGCGG
 AGCCAGAGGCTGCTCGCATATTGGGGTGTGAAGGCATTAGAGGAGGCAGGAGTCCAGTCCGACCTTGTG
 GGAGGCACATCCATAGGTTCTTCAATGGGGCTTGTATGCCGAGGAACGAGCCAGCCAGCCGAACTAAAC
 AACGAGCCCGGGAGTGGGCCAAGAGCATGACTTCTGTACTGGAGCCTGTATTGGACCTCACATATCTGT
 CACTCCATGTTACTGGCTCAGCCTTTAACAGAAGTATCCACCGTGTCTTCCAGGATAAGCAGATTGAG
 GACTGTGGCTGCCTTACTTCAATGTGACCACAGACATCACTGCCTCTGCCATGCGCGTCCACAAAGATG
 GCTCCCTGTGGCGTATGTACGTGCCAGCATGACGCTCTCGGGCTACCTACCCCGCTGTGCGACCCAAA
 GGATGGGCACCTGCTCATGGATGGTGGCTACATCAACAACCTGCCAGCGGATATTGCCCGAAGCATGGGA
 GCCAAAACGGTATTGCCATCGACGTTGGAAGCCAGGATGAGACAGATCTCAGCACCTATGGGGACAGCC
 TGTCTGGTGGTGGTGTGTTGGAAAAGGCTAAACCCCTGGGCAGACAAGGTAAGGTTCCAGACATGGC
 TGAGATCCAGTCCCGCTTGGCGTACGTGTCTGTGCGGCAGCTAGAAGTCGTAAGTCCAGCTCCTAT
 TGCGAGTACCTTCGTCCATCCATTGACTGCTTCAAGACCATGGACTTTGGAAAGTTTGACCAGATCTATG
 ATGTGGTTACCAGTATGGGAAGGCTGTCTTTGGAGGCTGGACCCGTGGTGAAGTATTGAGAAAATGCT
 CACAGACCGGAGATCTACAGACCTAATGAGAGTCCCGTGCAGATATACTTGCCTTCCCAAGTTCTGGG
 TCACTGACTTGGCTGAGATTGTGTCCCGATCGAGCCACCAACAAGCTACGTCTCTGATGGCTGTGCTG
 ATGGGGAGGAGTCGGATTGCTTGACAGAGTATGAGGAAGATGCAGGACCAGACTGCTCAAGAGATGAAGG
 GGGCTCCCTGAGGGTGCAGCCCTAGCACTGCCTCAGAGGTGGAAGAAGAGAAGTCCCACTCCGGCAA
 CGACGCTTTCTGCCTCAGGAGACTCCAGCTCAGTCGAGATGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001122818

Insert Size:

4038 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:

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_001122818.2](#), [NP_001116290.2](#)

RefSeq Size: 4502 bp

RefSeq ORF: 4038 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]