

Product datasheet for MC224315

Pnpla7 (NM_146251) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnpla7 (NM_146251) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pnpla7
Synonyms:	BC027342; E430013P11Rik; Nre
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224315 representing NM_146251 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGAAATGAGGAAGATGCCTGCCTTGAGGCTGGCTACTGTTTGGGTACCACCCTGAGCTCCTGGAGGC
TGCATTTTCATGGAGGAGCAGTCCAGTCCACCATGCTGATGGGGATTGGAATTGGCGCCCTCCTTACCCT
AGCCTTCGTTGGTATTACCTTCTTTTTGTATACAGAAGAGTGAGAAGATTACGACGGGCAGAACCCACT
CCTCAGTACAGGTTCCGGAAGAGAGACAAAGTAATGTTTTATGGCCGGAAGATCATGAGGAAGGTGACCA
CACTCCCCATACCTTGGTTGGGAATACCTCTGCACCCCGGCAGCGAGTCAGGAAGAGGACCAAAAGTGCT
GTCTTTAGCCAAGAGGATTCTGCGCTTTAAGAAAGAGTATCCCACTTTGCAGCCAAAAGAGCCTCCGCCC
TCCTGCTTGAGGCTGATCTTACAGAGTTTGATGTGAAGAACTCTCATCTGCCATCAGAAGTCTTGTACA
TGTTGAAAAATGTTTCGGGTTCTAGGCCACTTTGAGAAGCCACTATTTCTGGAACCTTGCAACATATGGT
CTTTGTGCAGCTACAAGAAGGGGAGCAGTATTCCAACCTGGGGAGCCTGACATCAGCATCTATGTGGTT
CAGGACGGACGGCTGGAGGTCTGCATCCAAGACGCTGATGGCACCAGTGGTGGTCAAAGAGGTCTGC
CAGGGGACAGTGTCCACAGTCTCCTCAGCATTTTGATGTGATCACCGGTCACTGCACCATACAAAAC
AGTTTCTGCCCGTGCCGCTGTCTCGTCCACCGTGCTCTGGCTTCTGCAGCAGCTTTTCAAGGAGTGTT
GAGAAATACCTGAAACTCTGGTCAGGTTGTGCAGATCATATGGTCCGGCTGCAGCGGGTGACTTCC
TGGCTCTGCACAACTACCTGGGGCTGACTACAGAGCTCTTCAACCCTGAGAGCCAGGCCATCCCTCTCTT
GTCAGTAGCAAGTGTGGCTGGACGAGCCAAGAGACAGATGTCATATGGTCCAGAGGAGCAGCTTGAGAGG
TCCCTACGGCCCTCGGAGTTCAGCAGCTCAGATCATGGGAGCAGCTGTGTGACAGTCTCTGGGCCTCTGC
TGAAGAGGAGCTGCTCAGTGCCTCTGCCTTCTAACCATGGGGAGGTGGATGAGCTCAGACAGTCCCAGG
AAGTGGCTCTAACACTTCTGCCTTCCAAGAAAGCCATGAGGGAGCCACCTCAGACCTGGGGATGGCATA
AACCGTGCCAGGATTTTGCCACACTCTGATGAGCAACTTGGGAACCTTTGGCCAGCAAGTCCAAGAAA
GTGTTGTCGAGAGACCCCTCTGCCATCTTCCACTACTCAGAAAATTTAGGGATGAGACTGGGCCTG
TGGAAGACAGATGCTATCTTCAGAGCTGCCACAAAGGACCTCCTTACCCTGATGAAGCTAGATGACCCA



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TCCCTGTTGGATGGCCGGGTGGCATTCTTCTCATGTTCTGCAGGCACCTTAGTGTCAAAACAGGGAGATC
 AGGATGTCAATATTTTGTGTGGTCTCGGGGATGCTGCATGTGTACCAGCAAAAGATTGACAGCTTGGA
 GGATACTTGCTGTTCTCTACACATCCCGGGGAGATGGTGGGTGACGTGGCGGTGCTCACTGGAGAACCC
 CTAATGTTCAACATCAGAGCCAACCGAGACTGCAGCTTTTGTCCATCTCGAAGGCCACTTCTATGAGA
 TCATGAGGAAACGGCCGGATGTTGTCTGGCGTGGCACACACAGTTGTGAAGAGGATGTCATCCTTTGT
 ACGGCAGATTGATTTTGTCTAGACTGGATGGAAGTAGAGGCTGGACGTGCCATATACAGGCAAGGAGAC
 AAGTCTGACTGCACATACATCGTTCTCAGTGGCAGGCTGCGTTCTGTATCCGAAAAGATGATGGGAAAA
 AACGCCTGGCAGGGGAATATGGCCGAGGAGACCTTGTGGTGTGGTGGAGACGCTGACCCACAGGCCAG
 AGCAACCACAGTGCATGCTGTCCGGGACTCAGAACTGGCTAAGCTGCCAGCAGGAGCTCTGACGTCTATC
 AAGCGCAGGTACCCACAGGTTGTAAACGCGACTGATTCTCTTTGGGCGAGAAGATCTTAGGCAGTCTCC
 AGCAGGGATCTGCAACAGGTCAACAGCTTGATTTAACACAGCAAGCAGCAAAATGGGACTTGGGGAACCC
 GCCTGGCAATCTGTCCACAGTGGCAGCACTGCCTGCTTCTGAGGATGTGCCCTAACCGCTTTGCTCTG
 GAGCTCCAACATGCCCTCAGTGCATCGGTCTGTCTGCTGCTGACCACTGACAACATCAAACAACGCC
 TGGGTTCCGCTGCTCTAGACAGCATCCATGAGTACCGGCTCTCCAGTTGGCTGGGCCAGCAGGAGGACAT
 CCACCGGATTGTCTGTATCAGGCAGACGGCACACTCACACCGTGGACCCAGCGTGCATCCGGCAGGCT
 GACTGCATCCTCATCGTGGGCTTGGGTGAGCAAGAGCCAGCAGTAGGTGAGCTGGAGCAGATGTTGGAGA
 GCACAGCTGTGCGTGCCAGAAGCAGCTAATCTTGCTGCACAAAGAGGACGGTCCAGTGCCTTCCCGCAC
 AGTGGAGTGGCTCAACATGCGAAGTTGGTGTCTGGCCATTTGCACCTCTGCTGCCACGCCGTGTCTTC
 TCCAAGAGAAGCTTGCCCAAGCTGGTCGAGATGTACACACGTGTTTTCCAACGACCACAGACCGTCATT
 CTGATTTTTCCCGCTGGCAGGATGCTGACAGGCAATGCCATTGCCTTGGTGTGGAGGGGTGGAGC
 TAGAGGGTGTGCCAGGTGGGCATCCTCAGGGCACTAGCAGAGTGTGGCGTCCCGTGGACATAATCGGA
 GGCACATCCATCGGGGCTTTCATGGGTGCTCTGTTTGTGAGGAGCGGAGCTACAGCCAAACACGGATCC
 GGGCCAAGCAGTGGCAGAGGGTATGACATCAATGATGAAGACTATACTGGACCTGACCTACCCAATCAC
 ATCCATGTTCTCTGGCACTGGCTTCAATAGCAGCATCAGCAACATCTTCAAAGACCGGCAGATTGAGGAC
 CTGTGGCTCCCTACTTTGCCATCACCACCGACATCACGGCTCTGCCATGCGGGTTACACAGATGGCT
 CTCTGTGGAGGTATGTCGTGCAAGCATGCTCTTGTGAGGCTATATGCCCCACTCTGCGACCCCAAGGA
 TGGACACCTGCTGATGGATGGTGGTTACATCAACAACCTCCAGCGGATGTGGCAAGATCCATGGGGCA
 AAGGTTGTGATTGCCATCGATGTTGGCAGCCGGGACGAGACAGACCTCACCAACTATGGCGATGCCTTGT
 CTGGATGGTGGCTGCTTGGAAACGCTGGAACCCCTTGGCTACAAAAGTCAAGGTGTTGAACATGCGAGA
 GATTGAGACTCGACTGGCTATGTGTGCTGCGTCCGGCAGCTGGAGATGGTGAAGAACAGCGACTACTGT
 GAGTACCTGAGGCTCCCATCGACAGTTACCGCACCTGGACTTCGGCAAATTTGATGAGATCTGTGAAG
 TTGGGTATCAACATGGGCGGACAGTGTGACATCTGGGTCCGGAGTGGTGTCTAGAGAAGATGTTGCA
 GGACCAGCAGGGGACAAGCAAGAGGAAGGACTGTGGGGTGTTCACCTGCCCAATTCCTCCTTACGGGAC
 CTTGCTGAGATTGTGTCACGGATTGAGCCGGCAAGGTGGCTGCAGTGGATGATGAGTCTGACTATCAGA
 CCGAGTATGAGGAGGAAGTCCAGCCATCCCAAGGAAACGATGCTGACTTCCAGAGCACTGGGATTGA
 GCTAGACTCTGACTCGGAATATGAGCCTTCGATGTTGCAAGGACCCCCAGCTTGACTTCCCCAGAACAG
 TCCAGGACTCCTTCCCTGGCTCCCTAATCAAGATGACCAGGGGCAAGACTGGAACATCCTTCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_146251

Insert Size:

4059 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_146251.4 , NP_666363.3
RefSeq Size:	4592 bp
RefSeq ORF:	4059 bp
Locus ID:	241274
UniProt ID:	A2A188
Cytogenetics:	2 A3
Gene Summary:	Serine hydrolase, whose specific chemical modification by certain organophosphorus (OP) compounds leads to distal axonopathy (By similarity). Isoform 1 and isoform 2 have equal enzyme activity. Isoform 3 has no enzyme activity.[UniProtKB/Swiss-Prot Function]