

Product datasheet for **MC221497**

Pnpla8 (NM_026164) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnpla8 (NM_026164) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pnpla8
Synonyms:	1200006O19Rik; AI467579; Ipla2(gamma)
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221497 representing NM_026164
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATTAAATTTGACTCTAGATATATATATTTACTTCCTTAATAATGCAAGAAGTCTTTGTGGGAAAC
 AGAGAAGCAAACAATTGCATTTTGTGTGTCTAAACAGTATTGGCGCATGAACCATGTCAATGTGCACAG
 AGAGTTTACACACAAGTAAGAAAAGCTGTAATGGAATAGAAGTGAAGCACATTGCAGCAAACACTGGCAC
 TCTCCAAGCAACCATGGCTTACACTTTGGAATTGTGAGACTTAGCACTTCTGCTCCCAAGGGACTTACAA
 AAGTGAGCATTTCATGTCCCGTATTAAGTACTTTGAATTCAGTTTCAAAGGCTATTTTTGGCAGTCA
 AAATGAAATGGTTACACGGTTAGCTCAATTTAAGCCAAGTTCTCGAATATTAAGAAAAGTATCAGATAAG
 GGATGGTAAAACAAAAAATGTTAAGCAAGCCGTCGAGTCTCTGAAAACTATAGTGATAAATCAGCAG
 GAAAGAATCTTTAGCAGAACAGAAAAGTACTTTGCAGATAAAGAAGAAGATTCAGGTAACACAGCCT
 TTTCCATTACACATACGGTATAACCACCAGATTTGGAGAGTCATCTCCGTTTTAGCAAATCATATTAAT
 TCCTATTTCAAAGCAAGGGAAAAATGTCTCAAACAAAGGAAGATAAACAGCTTCAGGACAAGCCAGACC
 TTGAAGAAAGGAAATCCAGTTCTCCAGGCCCTGACACCCTGGCAGACAGGCCAGACTCGGAATCTCCCT
 AGAAGTTAAAGACAAACTTTCCAGCCCGACCCAGATGCCTGAGGCTCACCCAGTGTCTGCAAAACAAAGT
 ATTGCTAACTTCCTTTCTCGTCCCACTGAAGGCGTACAAGCCTTAGTCGGTGGTTACATTGGTGGACTTG
 TACCCAAATTAAGTCTGATCCCAAGAGTCCGCCCGAAGAACAGGAAGTGTCTGCTAAAACAGAGCAGGC
 TGTTAACAAAGACAAGAAGGCAGAGGAGAAAAAGCGTGTCTACTTCAGCAAGAAAAGATTATTGCAAGA
 GTGAGTATTGATAACAGAACTCGAGCCTTAGTTCAGGCCTTAAGAAGAACAGCCGACCCAAAGCTCTGTA
 TTAAGGTTGAAGAAGTACTTTTCACTTTCTAGAAATTTCTGAAGGAAAAGGAGTGGCTATCAAGGA
 AAAAAATTTCCATATTTATTACGGCTGAGACAAGTTAAGGATGAAACTCTTCAGGCTGCAGTTAGAGAA
 ATTTTGGCTTTAATTGGTTATGTAGATCCAGTGAAGGCAGAGGAATCCGAATCCTCACCATTTGATGGTG
 GAGGAACAAGAGGTGTGGTTGCTCTCCAGACTCTGAGGAAGTTGGTTGAACTTACTCAGAAGCCGATTCA
 TCAGCTTTTTGATTACATCTGTGGAGTAAGCACAGGGCCATATTAGCATTTATGCTGGGATTGTTTAC
 ATGCCGCTGGATGAATGTGAGGAACTCTATCGAAAGTTGGGCTCAGATGTGTTACACAGAATGTCATTG
 TCGGGACCGTCAAATGAGTTGGAGCCATGCGTTTTATGACAGTAACACGTGGGAAAAGATCCTCAAGGA
 TAGAATTGGATCTGCACTAATGATTGAAACAGCGAGAAACCCCGCATGCTCAAGGTAGCTGCTATAAGT
 ACCATAGTAAACAGAGGACAAACACCAAAGCTTTTGTGTTGAGAACTATGGTCAATTTCTGGCACCA
 ACTCTCACTATTTAGGAGGCTGTCAGTATAAAATGTGGCAGGCCATTAGAGCCTCATCAGCTGCTCCAGG
 CTACTTTGCAGAGTACCGCTGGGGAGTATCTCATCAAGATGGAGTTTGTCTCTGAATAACCCTTTCG
 GCCTTGGCCCTTACGAATGTAATGCATCTGGCCAGATACGCCACTGGAGTGTATAGTATCCTTGGGCA
 CAGGACGGTATGAGAGTGTGAGGAATACCTCAACATACACGAGCCTGAAGACCAAGCTCTCTAATGT
 TATCAGCAGTGTACAGATACAGAGGAAGTTCATATCATGCTTGTGCTGTTGCTTCTGACACGTAC
 TTTAGATTTAATCCTGTGATATGTGAAAACATACCCCTAGATGAAAGCCGGGATGAAAACTGGACCAGC
 TTCAGCTGGAAGGGATGAAGTATATAGAAAAGTATGATCAAAGATGAAAAAGTTGCAAAAATATTAAG
 TCAAGAAAAACAACCTTTCAGAAGATCAATGATTGGATAAAATTAAGAAAGTACATGTATGAAGCCCT
 CCATTTTTTTCAAATTT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_026164
Insert Size: 2331 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:	NM_026164.2 , NP_080440.2
RefSeq Size:	4425 bp
RefSeq ORF:	2331 bp
Locus ID:	67452
UniProt ID:	Q8K1N1
Cytogenetics:	12 B2
Gene Summary:	Calcium-independent phospholipase A2, which catalyzes the hydrolysis of the sn-2 position of glycerophospholipids, PtdSer and to a lower extent PtdCho. Cleaves membrane phospholipids (By similarity).[UniProtKB/Swiss-Prot Function]