

Product datasheet for **RN210276**

Plaa (NM_053866) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plaa (NM_053866) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plaa
Synonyms:	PLA2P; Plap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210276 representing NM_053866
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGAGCGGTGCCGCCAGATACCGGCTGAGCTGCTCGCTCCCGGCCACGAACTGGACGTGAGGGGCC
 TGGTGTGCTGCCTCTACCCACCGGAGCCTTTGTGTCTGTGTCCCGGGATCGTACCACCCGCTCTGGGC
 TCCAGACAGTCCCTAACAGGGGCTTTACAGAAATGCACTGTATGAGCGGCCACTCTAATTTTGTGTCTTGT
 GTGTGCATCATACCCTCAAGTGACATATATCCTCATGGACTAATTGCCACTGGAGGAAATGACCACAATA
 TTTGCATTTTCTCGCTGGACAGTCCGATGCCACTTTATATTTAAAGGGTCACAAAGATACTGTTGTAG
 TCTTTCTTCTGAAAAATTTGGGACATTACTTAGTGGCTCATGGGACCACTGCTAAAGTCTGGCTGAAT
 GACAAATGCATGATGACATTACAGGGTCACACAGCTGCAGTATGGGCAGTAAAGATTTTACCTGAACAGG
 GCTTAATGTTAACTGGATCAGCAGACAAAACAATTAAGTATGGAAGGCCGGAAGATGTGAGAGGACTTT
 TTCAGGCATGAAGACTGTGTAAGAGGTTTGGCAATTTTGAAGTAAACAGAAATTTCTTCTGTGCAAT
 GATGCTAGTATTAGAAGTGGCAGATTACTGGCGAGTGTCTTGGAGTATACTACGGACATACAAATTATA
 TTTATAGCATATCTGTCTTTCCAAATTTGTAGAGATTTTGTGACAACTGCAGAAGACAGATCTCTAAGAAT
 ATGGAAACATGGTGAATGTGCCAAACAATCCGACTTCCAGCTCAGTCTATATGGTGTGCTGCGTACTG
 GACAATGGTGACATTGTGGTTGGTGCGAGTGATGGTATTATTAGAGTGTTTACAGAGGCAGACGAGCGGA
 CAGCCAGTGCTGAGGAAATCAAGGCTTTTGGAGAGAGCTCTCTCAGGCAACTATAGACTCCAAAAGTGG
 CGACTTGGGGGACATTAACTGCTGAGCAGCTTCTGGGAGGGAACATCTGAATGAGCCAGGTAAGAGAA
 GGACAGACTCGTCTAATCAGAGATGGAGAGAGAGTTGAAGCCTATCAATGGAGTGTTAGTGATGGCAGGT
 GGATAAAAAATTTGGTGATGTTGTTGGCTCATCTGGTGCTAATCAGCAAAACATCTGAAAAAGTTTATATGA
 AGGGAAGAATTTGATTATGTTTTCTCCATCGATGTGAATGAAGCGGACCATCATATAAATTACCATAT
 AATGTCAGTGACGACCCCTGGCTGGTTGCATACAACCTTCTGCAGAAAAATGATTTGAATCCCATGTTTT
 TGGATCAGGTGGCTAAATTTATTATTGATAACACAAAAGGTCAAACACTGGGACTTGAAAAACAGTTT
 TTCAGACCCATTTACAGGTGGTGGTCTGCTATGTTCCAGGAACCTCAGGCGCTTCCACACAGTGACAGACA
 GCAGATCTTTTACAGGTGCTGGTCTGTTATATGCCAGGGTCTGCAGGGATGGATACCACCATGGCTGGAG
 TTGATCCATTTACAGGAAATAGTGCCTACCGATCAGCTGCGTCTAAAACAGTGAATTTTATTTCCCCAA
 AAAAGAAGCTCTTACCTTCGACCAAGCAAACCTACACAAATATTAGGAAAACTGAAGGAACCTAATGGA
 AGTGCACCTGAAGAGAAGAAGCTAACTGAAGATGACTTGGTACTTCTGAAAAAGATACTGTCCCTGATTT
 GTGGTAATGCTTCAGAAAAGCCGACGGCCAGCAGCTTCAGGTTCTGTGAAAGCCATCAACTGGCCTGA
 AGACATTGTCTTTCCCGCACTTGACATTCTCGGCTATCAATTAAGCATCCCACTGTGAATGAGAATTTT
 TGCAATGAAAAAGAAGGAGACAGTTTCAGCAGCCACCTTATCAACCTTCTGAACCCTAAAGGAAAGCCAG
 CAAACCAGCTGCTTGCTCTTAGGACTTTTTGCAATTGCTTTGTTAGTCAGGCAGGACAAAAGCTCATGAT
 GTCCCAGAGGGAGTCATTGATGTCACATGCAATAGAACTGAAATCCGGGAGCAATAAGAACATTCATATT
 GCTCTGGCTACACTGACCTTGAATATTCTGTTTGTTCATAAAGACCATAACATTGAAGGGAAAGCCC
 AATGCTTGTGAGTATTAGCACAATCTTGAAGTTGTACAAGACCTAGAAGCCACATTTAGACTCCTTGT
 GGCTCTTGGGACACTTATCAGTGATGATTCAAATGCTATACAATTAGCCAAATCTTTAGGTGTTGATTCT
 CAAATAAAAAAGTATGCTTCTGTATCAGAGCCAGCTAAAGTAAGTGAATGCTGTAGACTTATCTTAAATT
 TGCTG**TA**G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053866

Insert Size: 2388 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:	<u>NM_053866.3</u> , <u>NP_446318.3</u>
RefSeq Size:	2694 bp
RefSeq ORF:	2388 bp
Locus ID:	116645
UniProt ID:	<u>P54319</u>
Cytogenetics:	5q33
Gene Summary:	may play a role in phospholipase activation, production of prostaglandins, and regulation of inflammatory response [RGD, Feb 2006]