

Product datasheet for **RN204286**

Pla2g4a (NM_133551) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g4a (NM_133551) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pla2g4a
Synonyms:	cPLA2; Pla2c; Pla2g4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204286 representing NM_133551
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTTCATAGATCCTTATCAGCACATAATAGTGAACACCAGTATCCATAAGTTTACAGTAGTGG
 TTCTACGTGCCACCAAAGTAACCAAGGGGACCTTTGGCGATATGCTGGACACTCCTGATCCTTATGTGGA
 ACTTTTCATCTCTACAACCCCTGACAGCAGGAAGCGAACAAAGACACTTCAATAATGATATAAACCCCTGTG
 TGGAAATGAGACCTTTGAGTTCATTTTGGATCCTAATCAGGAAAATGTTTTGGAGATCACATTGATGGATG
 CCAATTACGTCATGGATGAAACCCTAGGCACAGCTACATTTCTGTATCTTCTATGAAGTGGGAGAGAA
 GAAAGAAGTCCCTTTATTTTCAACCAAGTACAGAAAATGATTCTGGAAATGTCTCTTGAAGTTTGTCTCA
 TGCCAGACCTACGGTTCAGCATGGCACTGTGTGATCAGGAGAAAACATTAGGCAGCAGAGGAAAGAGA
 ACATAAAAGAGAACATGAAGAACTTTTGGGTCCAAAAAAGAGCGAGGGGCTTTATTCCACACGTGATGT
 GCCTGTGGTGGCCATTTTGGGTTCCGGCGGGGTTTCCGGGCCATGGTGGGATTCTCCGGTGTGATGAAG
 GCCTCTATGAATCAGGGATTTTGGATTGTGCGACCTACGTTGCTGGTCTGTCCGGCTCCACATGGTACA
 TGCAACCTTGTACTCCACCCCTGATTTTCCAGAGAAAAGTCTGAGGAGATTAATGAAGAGCTAATGAA
 AAATGTTAGCCACAACCCCTCTCTTACTTCTTACGCCACAGAAAAGTAAAAGATATGTTGAGTCTTTATGG
 AAGAAGAAAAGTTCTGGCCAACCTGTCACTTTACTGACATCTTTGGAATGTTAATAGGAGAAAACACTAA
 TTCAAAATAGAATGAGTACGACCTTGAGTAGCTGAAGGAAAAGGTCAGCGCCGCCCGGTGTCTCTGCC
 TCTCTTCACTGTCTCCATGTCAAACCGGACGTGTGAGAGCTGATGTTTGCCGATGGGTAGAATTTAGT
 CCATACGAAATGGCATGGCAAAATATGGTACCTTTATGACTCCTGACCTGTTTGAAGCAAATTTTTTA
 TGGGAACAGTTGTAATAAATATGAAGAAAACCCCTTGCAATTTCTAATGGGTGTCTGGGCAGTGCCTT
 TTCTATACTGTTCAACAGAGTTTTGGGAGTTTCTGGCTCACAGAATAAAGGTTCTACAATGGAGGAGGAA
 TTAGAAAATATTACAGCAAAGCACATTGTGAGTAACGACAGCTCTGACAGCGATGACGAGGCCAAGGAC
 CCAAAGGCACCGAGAATGAAGATGCGGAAAGAGAGTACCAAAATGACAACCAAGCAAGTTGGGTCCATCG
 GATGCTAATGGCCTTGGTGAAGTACTCAGCTTTATTCAATACCCGAGAAGGACGTGCTGGGAAGGTGCAT
 AACTTCATGTTGGGCTTGAATCTCAACACATCGTATCCACTGTCTCCCCTGAGAGACTTCAGCCCCAAG
 ATTCCTTCGATGATGATGAACCTCGACGCGGTAGCAGATCCAGATGAATTTGAACGAATATATGAACC
 ACTGGATGTCAAAGTAAAAGATTGATGTTGTAGACAGTGGGCTCACGTTTAACTGCCGTATCCCTTG
 ATTCTGCGACCTCAGAGAGGTGTGGATCTCATATTTCTTTGACTTTTCTGCAAGGCCAAGTGACACCA
 GCCTCCATTCAAGGAACCTCTGCTTGCAGAGAAGTGGGCTAAAATGAACAAGCTCCCTTTTCAAAGAT
 TGATCCTTACGTGTTTGTATCGGGAAGGATTGAAGGAATGCTATGTGTTTAAACCTAAGAATCCTGATGTG
 GAGAAGGATTGCCCAACCATTATCCACTTTGTTCTGGCCAACATCAACTTCAGAAAAGTACAAGGCCCCAG
 GTGTTCTGAGGGAACCAAGGAAGAGAAAAGAAATAGCTGACTTTGACATTTTCGATGACCCCGAATCGCC
 ATTTTCAACCTTCAACTCCAGTATCCAAATCAAGCATTCAAAGGCTACATGATCTGATGTACTTCAAC
 AACTGAACAACATTGATGTGATAAAGGATGCCATTGTTGAGAGCATTGAATACAGAAGACAGAACCCAT
 CTCGTTGCTCTGTTTCCCTCAGTAATGTTGAGGCAAGAAAATTTCTCAACAAGGAGTTCCTAAGTAAACC
 CACAGCAGAGTCCATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_133551
Insert Size: 2259 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_133551.2 , NP_598235.2
RefSeq Size:	2855 bp
RefSeq ORF:	2259 bp
Locus ID:	24653
Cytogenetics:	13q21
Gene Summary:	catalyzes the synthesis of COX-2 substrate arachidonic acid (AA); may play a role in epileptogenesis [RGD, Feb 2006]