

Product datasheet for **RN205092**

Pla2g15 (NM_001004277) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pla2g15 (NM_001004277) Rat Untagged Clone
Tag: Tag Free
Symbol: Pla2g15
Synonyms: 1-O-acylceramidesynthase; ACS; LLPL; LPLA2; Lypla3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205092 representing NM_001004277
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATCGCCATCTCTGCATTTGTGCGGAGATCCAGCTCCGGAGTGGCCTCCTGTTCCCTTTTCTTCTAC
TAATGATGCTGGCAGACCTAGCGCTCCCGGCCAACGTCACCCCGGTGGTGTGGTGCCTGGTGATTT
GGTAACCAAGTTGGAAGCAAAGCTGGATAAGCCAAAGTTGTACACTACCTGTGCTCCAAGAGGACGGAC
AGTTACTTCACACTCTGGCTGAATCTTGAAGTCTCTGCGAGTTATCATTGACTGCTGGATTGACAATA
TCAGGCTGGTTTACAACAGAATCTCTGGACTACCCAGTTTCTGATGGTGTAGATGTGCGTGTCTCTGG
CTTTGGGAAACATTTTCTCTGGAATTCCTAGACCCAAGCAAAGGAACGTGGGTTCCTATTTCTACACT
ATGGTGGAGAGTCTTGTGGGCTGGGGCTACACACGGGGGAAGATGTCCGTGGTGTCCCTATGATTGGC
GCAGAGCCCAAATGAAAACGGGCCTTACTTCTTGGCCCTCCAAGAGATGATCGAGGAGATGTACCAGAT
GTATGGGGCCCCGTGGTGTGCTGGTCGCCACAGCATGGCAACATGTACATGCTCTACTTCTGCAGCGG
CAACCACAGGCCCTGGAAGGACAAGTATATCCAAGCCTTCGTCTCACTGGGTGCGCCCTGGGGGGCGTGG
CCAAGACCCTGCGTGTCTGGCCTCAGGAGACAACAACCGTATCCCTGTCATTGGGCCACTGAAGATCCG
GGAACAGCAGCGATCTGCAGTCTCCACCAGCTGGCTACTGCCGTACAACCACACGTGGTGCACATGAAAAG
GTGTTTGTGTACACCCACAGTAACCTACACACTCCGGGACTATCACCGTTTCTTCCAAGACATCGGCT
TTGAAGACGGCTGGTTCATGAGGCAGGACACACAAGGGCTGGTGAAGCCCTGGTACCGCTGGTGTAGA
GCTGCACTGCCTGTACGGGACCGGTGTTCCACACCAAACCTTTTCTACTACGAGAACTTTCTGATCGT
GACCCAAAATCTGCTTTGGGATGGTGACGGCACAGTGAACCTGGAGAGTGTCTGCAGTGCCAAGCCT
GGCAGAGCCGCAAGAGCACAAGTGTCTTGCAGGAGCTGCCAGGGAGCGAACACATTGAGATGCTGGC
CAATGCCACTACCTTGGCTTATCTGAAACGTGTGCTTCTAGAAGAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001004277
Insert Size:	1242 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:	<u>NM_001004277.2</u> , <u>NP_001004277.1</u>
RefSeq Size:	2672 bp
RefSeq ORF:	1242 bp
Locus ID:	361401
UniProt ID:	<u>Q675A5</u>
Cytogenetics:	19q12
Gene Summary:	displays calcium independent phospholipase activity toward phosphatidylcholine and phosphatidylethanolamine; may play a role in degradation of pulmonary surfactant phospholipids [RGD, Feb 2006]