

Product datasheet for **RR207566**

Lpar6 (NM_001045843) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar6 (NM_001045843) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lpar6
Synonyms:	P2ry5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR207566 representing NM_001045843 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTAAGCGCCAACGGCTCCCACTGCCCTTATGACGACTCCTTTAAGTACACTTTGTATGGGTGCATGT
TCAGCATGGTGTGGCTTGGGCTGATATCCAACGTGTTGCGATATACATTTTCATCTGTGCCCTCAA
AGTGAGAAACGAACTACAACGTACATGATTAACCTGGCAATGTCAGATTTACTTTTCGCTTTACTTTG
CCATTTCCGGATCTTTACTTTGCAACACGGAATTGGCCGTTGGAGATCTGCTCTGTAAGATTTTCAGTAA
TGCTGTTTTACACCAATATGTATGGAAGCATTCTGTTCTTAACCTGTATCAGTGTAGATCGATTTCTGGC
AATTGTCTACCCATTTAAGTCGAAGACTTTAAGAACTAAACGAAATGCCAAGATTGTTTGCATTGCTGTG
TGGTTCACCGTGATGGGAGGAAGTGCAGCTGCAGTTTTCTTTTCAGTCGACCCACTCTCAGGGTAAACAATA
CCTCAGAAGCCTGCTTTGAGAACTTTCCAGCAGCCACATGGAAAACCTTATCTCTCCAGGATTGTGATTTT
CATTGAAATAGTGGGTTTTTTATCCCCCTCATTTTGAACGTAACGTGTTCTAGTATGGTGCTAAGGACT
TTAAATAAGCCTGTTACTTTAAGCAGAAGCAAAATGAACAAAACCAAGTTTTAAAAATGATTTTGTCC
ACTTGGTCATATTCTGTTCTGTTTTGTGCCCTAACATCAACCTCATTTTGTATTCTCTCGTGAGAAC
ACAGACCTTTGTTAACTGCTCTGTGGGGCTGCAGTGAGAACGATGTACCCATCACTCTCTGCATTGCT
GTCTCCAACCTGTTGCTTTGACCCATTGTTACTACTTCACTTCAGACACGATCCAGAACCAATAAAGA
TGAAGAGCTGGTCTGTTAGAAGGAGTGACTCCAGGTTCTCTGAAGTTCAGGGCACCGAGAATTTTATCCA
ACACAACCTACAGACCTTAAAAATAAGATATTTGATAATGAATCTGCAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR207566 representing NM_001045843
 Red=Cloning site Green=Tags(s)

MVSANGSHCPYDDSFKYTLYGCMFSMVFLGLISNCVAIYIFICALKVRNETTTYMINLAMSDDL FVFTL
 PFRIFYFATRNWPFGLDLCKISVMLFYTNMYGSILFLTCISVDRFLAIVYPFKSKTLRTRKNAKIVCIAV
 WFTVMGGSAPAVFFQSTHSQGNNTSEACFENFPAATWKTYLSRIVIFIEIVGFFIPLILNVTCSMVLRT
 LNKPVTLRSKMNKTKVLKMI FVHLVIFCFV PYNINLILYSLVRTQTFVNCVSGAAVRTMYPITLCIA
 VSNCCFDPIVYYFTSDTIQNSIKMKSWSVRRSDSRFSEVQGTENFIQHNLQTLKNIKIFDNESAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2256_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001045843

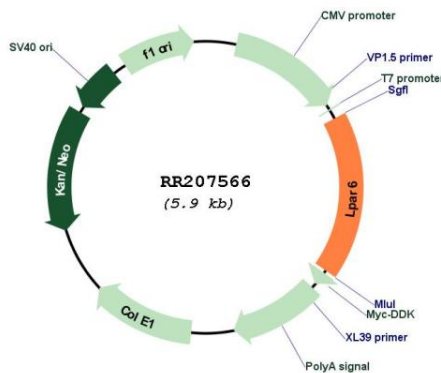
ORF Size: 1032 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001045843.1</u> , <u>NP_001039308.1</u>
RefSeq Size:	1834 bp
RefSeq ORF:	1035 bp
Locus ID:	691774
UniProt ID:	<u>Q4G072</u>
Cytogenetics:	15q11
MW:	39.8 kDa
Gene Summary:	Binds to oleoyl-L-alpha-lysophosphatidic acid (LPA). Intracellular cAMP is involved in the receptor activation. Important for the maintenance of hair growth and texture (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR207566