

Product datasheet for MR222140

Lpar5 (NM_001163269) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar5 (NM_001163269) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lpar5
Synonyms:	Gm1072; Gpr92; GPR93; LPA5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222140 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGCCAATTCCTCAGCCAACACGACTTCTACCAACAGCTCTGTGCTCCAGTGCCCTGACTATCGAG
ATACACATCGTTTGCATATGGTGGTCTACAGCCTGGTATTGGCGACTGGTCTCCCTCTCAACGCTCTGGC
TCTCTGGGTCTTCTGCGTGTACTGCGGTACACTCAGTGGTGGCGGTACATGTGCAACCTGGCAGCC
AGCGACTTGCTCTTACCCTGTCACTTCCCTGCGCTCTCCTACTATGCACAGCACCCTGGCCTTTTC
CAGGCTTCTGTGCCAGACGTGGGGCCATCTCCAGATGAACATGTACGGCAGCTGTCTTTTCTGAT
GCTCATCAACGTGGACCGCTATGCGGCCATCGTGACCCGCTGAGACTGCGCCACCTACGGCGGCCCGT
GTGGCACGGCGGCTCTGCCTGGGCGTGTGGGCTCTCATCTGCTGTTTCGCTGTGCCCGCCCGCGGTGC
ACAGCCCGTCCCCTGCACGTACAAGAATCACTGTGCGCTGTGCTTCGAGAGCTTCAGCGATGAACT
GTGGAAGGGCAGGCTGCTGCCGCTCCTGCTGCTGGCCGAGATACTAGGCTTTCTGCTGCCCTGGCGGT
GTCGTCTATTCTGCTGGCAGAGTCTTGGACTGGCGAGGCCGACTCAGAGCCAACGGCGAC
GGAAGACCGTGGCCTCCTGCTGGCCAATCTCATCTTCTGCTGTGCTTCGTGCCCTATAACTCCAC
GCTGGCTGATATGGGTGCTACGGGCAACTTGGTGAAGAAGCAGATTACAGACCGGATCAGGTGGC
GGGTGCTGATGATAATGGTGTGCTGGCGGCCCAACTGCTGCTGGATCCACTGGTTTACTACTTCA
GTGCCGAGGGTTTCCGTAACACCCTTCGCAACCTGGGCGCCCGCTGAATACCAGCCTTTGGCTACCAA
TGGGGTGCAGGCGTGTCCACCAACTACCTCAGAAAGCACCCAAAACACTGGGCGAGGATGCCACAAGT
CAGGTTCTACTCCAGCCTGCCACTCTGGGTACACCCCGGACAACCTGCTCCAGGATTTCGGCTCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR222140 protein sequence
 Red=Cloning site Green=Tags(s)

MFANSSANTTSTNSSVLQCPDYRDTHRLHMVVYSLVLATGLPLNALALWVFLRVLRVHVSVSVYMCNLAA
 SDLLFTLSLPLRLSYAQHHWPFPGFLCQTSGAIFQMMYGSCLFLMLINVDRYAAIVHPLRLRHLRRPR
 VARRLCLGVWALILLFAVPAARVHSPSHCTYKNIIVRLCFESFSDELWKGRLPLLLLLAEILGFLPLAA
 VVYSSGRVFWTLARPDATQSQRRTKTVRLLLANLIIFLLCFVPYNSTLAVYGLLRANLVKNSIQDRDQVR
 GVLIMVLLAGANCVLDPVYYFSAEGFRNTRLNLGAPLNRPLATNGAAGVLTPELSESTQNTGQDQATS
 QVLLQPATLGTTPDNCSQDSAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163269

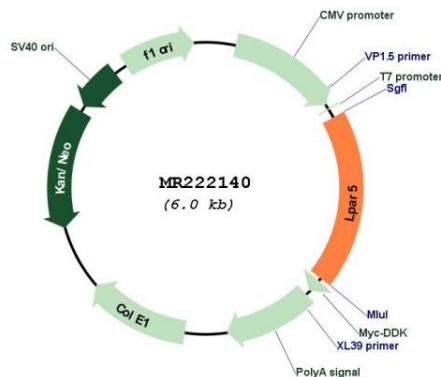
ORF Size: 1118 bp

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 Size:	1393 bp
RefSeq ORF:	1155 bp
Locus ID:	381810
UniProt ID:	<u>Q149R9</u>
Cytogenetics:	6 F2
MW:	41.4 kDa
Gene Summary:	Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. [UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR222140