

Product datasheet for MC214728

Lpar5 (NM_001163269) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar5 (NM_001163269) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lpar5
Synonyms:	Gm1072; Gpr92; GPR93; LPA5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214728 representing NM_001163269 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCAGACTAATTTCTCTTCCACCTGGACATGATGTTTGCCAATTCTTCAGCCAACACGACTTCTA
CCAACAGCTCTGTGCTCCAGTGCCTGACTATCGAGATACACATCGTTTGCATATGGTGGTCTACAGCCT
GGTATTGGCGACTGGTCTCCCTCTCAACGCTCTGGCTCTCTGGGTCTTCTGCGTGTACTGCGGTACAC
TCAGTGGTGAGCGTGTACATGTGCAACCTGGCAGCCAGCGACTTGCTCTTACCCTGTCACTTCCCTGCG
GCCTCTCCTACTATGCACAGCACCCTGGCCTTTTCCAGGCTTCTGTGCCAGACGTCCGGCGCCATCTT
CCAGATGAACATGTACGGCAGCTGTCTTTCTGATGCTCATCAACGTGGACCGCTATGCGGCCATCGTG
CACCCGCTGAGACTGCGCCACCTACGGCGGCCCGCTGTGGCACGGCGGCTCTGCCTGGGCGTGTGGGCTC
TCATCCTGCTGTTGCTGTGCCCGCCCGCTGCACAGCCCGTCCCACTGCACGTACAAGAACATCAC
TGTGCGCCTGTGCTTCGAGAGCTTACGGATGAACTGTGGAAGGGCAGGCTGTGCCGCTCCTGTGCTG
GCCGAGATACTAGGCTTCTGCTGCCCTGGCGGCTGTGCTATTCGTCTGGCAGAGTCTTCTGGACAC
TGGCGAGGCCGACGCCACTCAGAGCCAACGGCGACGGAAGACCGTGGCCTCCTGCTGGCAATCTCAT
CATCTTCTGCTGTGCTTCGTGCCCTATAACTCCACGCTGGCTGTATATGGTTGCTACGGGCAACTTG
GTGAAGAACAGTATTCAGGACCGCATCAGGTGCGCGGGTGTGATGATAATGGTGTGCTGGCCGGCG
CCAATGCGTGTGGATCCACTGGTTTACTACTTCAAGTCCGAGGGTTTCCGTAACACCCTTCGCAACCT
GGGCGCCCGCTGAATACCAGGCCTTTGGCTACCAATGGGGTGCAGGCGTGTCAACCAACTACCTCA
GAAAGCACCCAAACTGGGCAGGATGCCACAAGTCAGGTTCTACTCCAGCCTGCCACTCTGGGTACAC
CCCCGGACAACCTGCTCCAGGATTCGGCTCT**TGA**

ACGCGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001163269
Insert Size:	1155 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_001163269.1 , NP_001156741.1
RefSeq Size:	1393 bp
RefSeq ORF:	1155 bp
Locus ID:	381810
UniProt ID:	Q149R9
Cytogenetics:	6 F2
Gene Summary:	<p>Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>