

Product datasheet for **MG222129**

Lpar4 (NM_175271) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lpar4 (NM_175271) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lpar4
Synonyms: 5730485F04Rik; Gpr23; LPA4; p2y9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222129 representing NM_175271
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGTGACAGAAGATTTATTGACTTCCAATCCAAGATTTAAATCAAGTCTCAGACCCAGGTTGGGAA
 ATGCAACTGCCAATAATACTTGCATTGTTGATGATTCTTCAAGTATAATTTGAATGGTGTCTATAG
 TGTTGATTCATCCTGGGTCTAATAACCAACAGTGCCTCCCTGTTTGTCTTCTGCTTCCGCATGAAAATG
 AGAAGTGAGACGGCTATTTTCATCACCAACCTGGCCCTCTCTGATTTGCTTTTTGTTGTACCTACCTT
 TCAAAATATTTACAACCTTAATCGCCACTGGCCCTTTGGTGACACCCTCTGTAAGATCTCAGGGACTGC
 GTTCTCACCAACATCTATGGGAGCATGCTCTTCTCACCTGCATCAGTGTGGATCGTTTCTAGCCATT
 GTCTATCCCTCCGATCGCGTACCATCAGGACCAGGAGGAATTCGCCATTGTGTGCGCTGGAGTCTGGA
 TCCTAGTCCCTCAGTGGTGGTATTTAGCTTCTTTGTTCTCCACCACTAATGTCAACAATGCGACCACCAC
 TTGCTTTGAAGGCTTCTCCAAACGTGTCTGGAAGACATACCTGTCCAAGATCACTATATTCATTGAAGTT
 GTTGGATTCATCATTCTCTGATATTGAATGTTTCTTGTCTTCTGTGGTGTGTAAGACCCCTCCGAAGC
 CTGCAACATTGTCTCAGATTGGGACCAATAAAAAAAGTGTGAAGATGATCACAGTGCATATGGCAGT
 GTTTGTGGTATGCTTTGTACCATAACAACCTCCGTTCTCTTTTTATATGCCTTGGTACGCTCCCAAGCCATT
 ACTAATTGCTTATTGAAAGGTTTGCAAAGATCATGTACCAATTACCTTGTGCTTGAACCTCTGAATT
 GTTGCTTTGATCCTTTTATCTATTACTTCACTCTGAATCCTTTTTCAGAAGTCTTTTATATCAATACACA
 TATAAGGATGGAGTCGCTGTTTAAAGACTGAGACACCTCTGACCCCAAACCTTCCCTTCCAGCTATCCAA
 GAGGAAGTTAGTGATCAACAACAATAATGGTGGTGAATTAATGCTGGAATCCACCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG222129 representing NM_175271
 Red=Cloning site Green=Tags(s)

MGDRRFIDFQFDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITNSASLFFVFCFRMKM
 RSETAIFITNLALSDLLFVCTLPFKIFYNFNHRHWPFGDTLCKISGTAFLTNIYGSMLFLTCISVDRFLAI
 VYFPRSRITRRNSAIVCAGVWILVLSGGISASLFFSTTNVNNATTTCFEGFSKRVRWKTYSKITIFIEV
 VGFIIPLILNVSCSSVLRITLRKPATLSQIGTNKKVLMITVHMAVFFVCFVPYNSVLFLYALVRSQAI
 TNCLLERFAKIMYPITLCLATLNCCDFPIYYFTLESFQKSFYINTHIRMESLFKTETPLTPKPSLPAIQ
 EEVSDQTTNNGGELMLESTF

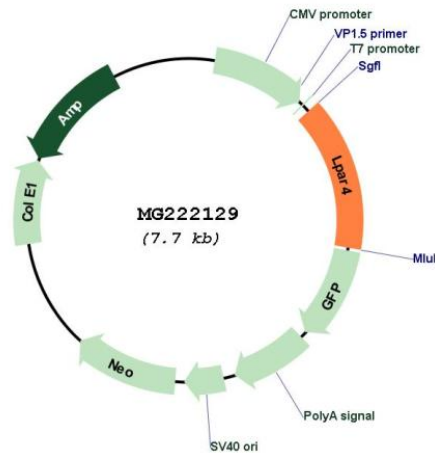
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175271

ORF Size:	1110 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>
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:	NM_175271.4 , NP_780480.2
RefSeq Size:	4237 bp
RefSeq ORF:	1113 bp
Locus ID:	78134
UniProt ID:	Q8BLG2
Cytogenetics:	X D
Gene Summary:	Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Transduces a signal by increasing the intracellular calcium ions and by stimulating adenylyl cyclase activity. The rank order of potency for agonists of this receptor is 1-oleoyl- > 1-stearoyl- > 1-palmitoyl- > 1-myristoyl- > 1-alkyl- > 1-alkenyl-LPA (By similarity).[UniProtKB/Swiss-Prot Function]