

Product datasheet for **MG205172**

Lpar6 (NM_175116) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar6 (NM_175116) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lpar6
Synonyms:	2610302I02Rik; P2ry5; P2y5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205172 representing NM_175116 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAGCTCCAATGGCTCCCAGTGCCCTTATGACGACTCCTTTAAGTACACTCTGTACGGGTGCATGT
TCAGCATGGTCTTCGTGCTTGGGCTGATATCCAACGTGTTGCGATATACATTTTCATCTGTGCCCTCAA
AGTGAGAAATGAAACTACAACGTACATGATTAACCTGGCAATGTCAGATTTACTTTTCGTCTTTACTTTG
CCATTTTCGGATTTTACTTTGCAACACGGAATGGCCATTTGGAGATCTACTCTGTAAGATTTTCAGTAA
TGCTGTTTTACACCAATATGTATGGAAGCATTCTGTTCTTAACCTGTATCAGTGTAGATCGATTTCTGGC
AATTGTCTACCCATTTAAGTCAAAGACTTTAAGAACGAAACGAAATGCAAAGATCGTTTGCATTGCTGTG
TGGTTCACAGTGATGGGAGGAAGTGCAGCTGAGTTTTCTTTTCAGTCGACCCACTCTCAGGGGAACAATA
CCTCAGAAGCCTGCTTTGAGAACTTTCCAGCGCCACATGGAAAACCTTATCTCTCCAGGATTGTGATTTT
CATTGAAATAGTGGGCTTTTTATCCCTCTCATTTTGAACGTAACCTGTTCTAGTATGGTGCTAAGAACT
TTAAATAAACCTGTTACATTAAGTAGAAGCAAAATGAACAAAACCTAAGGTTTTAAAAATGATTTTGTCC
ACTTGGTCATCTCTGTTCTGTTTTGTGCCCTACAACATCAACCTCATTTTGTACTCGCTCATGAGGAC
GCAGACCTTTGTTAACTGCTCTGTGGTGGCGGCAGTGAGGACCATGTACCCGATCACTCTCTGCATCGCT
GTCTCCAACCTGCTTTGACCCTATTGTTTACTACTTCACTCAGACACAATTCAGAACCTCAATAAAAA
TGAAAAACTGGTCGGTTAGAAGAAGTGACTCCAGGTTCTCTGAAGTTCAGGGCACTGAGAATTTTATCCA
ACACAACCTACAGACCTTAAAAAATAAGATATTTGATAATGAATCTGCAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205172 representing NM_175116
 Red=Cloning site Green=Tags(s)

MVSSNGSQCPYDDSFKYTLYGCMFSMVFLGLISNCVAIYIFICALKVRNETTTYMINLAMSDLLFVFTL
 PFRIFYFATRNWPFGLDLCKISVMLFYTNMYGSILFLTCISVDRFLAIVYPFKSKTLRTRKNAKIVCIAV
 WFTVMGGSAPAVFFQSTHSQGNNTSEACFENFPAATWKTYLSRIVIFIEIVGFFIPLILNVTCSMVLRT
 LNKPVTLRSKMNKTKVLKMI FVHLVIFCFVVPYNINLILYSLMRTQTFVNCVVAAVRTMYPITLCIA
 VSNCCFDPIVYYFTSDTIQNSIKMKNWSVRRSDSRFSEVQGTENFIQHNLQTLKKNKIFDNESAI

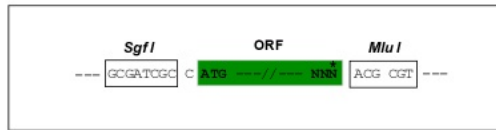
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2254_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_175116

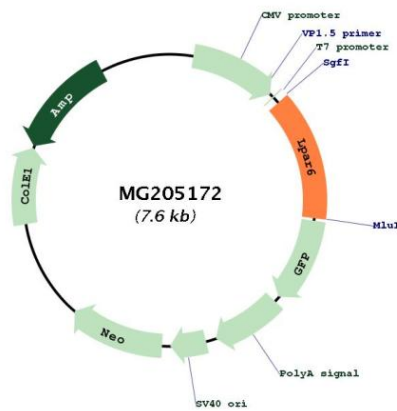
ORF Size: 1032 bp

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_175116.2</u> , <u>NP_780325.1</u>
RefSeq Size:	2448 bp
RefSeq ORF:	1035 bp
Locus ID:	67168
UniProt ID:	<u>Q8BMC0</u>
Cytogenetics:	14 D3
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 MG205172