

## Product datasheet for **MG205261**

### Lpar2 (NM\_020028) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar2 (NM_020028) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lpar2
Synonyms:	Edg4; IPA2; LPA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205261 representing NM_020028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCAGTGCTACTACAACGAGACCATCGGCTTTTTCTATAATAACAGCGGCAAGGAGCTCAGCCTTC  
ACTGGCGCCCAAGATGTGGTGGTGGCCCTGGGGCTGACAGTCAGTGTGCTGGTATTGCTGACCAA  
TCTGCTGGTTATTGCAGCCATCGCCTCCAACCGACGCTCCACCAGCCATATACTACCTGCTTGGCAAC  
TTGGCTGCGGCTGACCTCTCGCTGGCATGGCCTACCTCTCCTCATGTTCCATACTGGCCACGCACTG  
CCAGGCTCTCCATCAAAGGCTGGTTCCTGCGACAGGGCCTGCTGGACACCAGCCTCACGGCGTCAGTGGC  
CACACTGCTGGCCATCGCTGTGGAACGGCACCGCAGTGTGATGGCGGTACAGCTACACAGCCGCTGCC  
CGGGCCGTGTGGTCACACTCATCGTGGGTGTGTGGCGGCTGCACTGGGTCTGGGGTTGTACCTGCAC  
ACTTCTGGCACTGCCTCTGTGACTTGGACAGTTGCTCACGCATGGTGGCCCTGTTTACGCCCTCCTACTT  
GGCTGCGTGGGCCATCCAGCCTGCTTGTCTTCTACTCATGGTAGCTGTCTACACACGAATTTCTTCT  
TATGTGCGTAGACGGGTGGAACGCATGGCGGAGCACGTCAGTGCCATCCCCGCTACCGAGAGACCACAC  
TCAGCCTAGTCAAGACGGTTGTATCATTCTGGGGCATTGTGGTGTGCTGGACACCGGCCAGGTGGT  
GCTGCTCCTGGATGGCCTGGACTGTAAGTCCTGCAACGTTCTGGCTGTGGAGAAGTACTTCTGCTCCTG  
GCTGAGGCCAACTCACTGGTCAATGCAGTGGTATATTCTGCGGAGATGCTGAGATGCGCCGACACCTTC  
GCCGCTTCTCTGCTGCATGTGTCTCCGCTGGTCCAGCCACAAGTCTGCCGTTACTCAGCTTCTGCCCA  
GACGGGTGCCAGCACGGGATCATGCTTCTGAGAATGGCCGCCACTGATGGACTCCACCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205261 representing NM\_020028  
 Red=Cloning site Green=Tags(s)

MGQCYNETIGFFYNNSGKELSLHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASNRRFHQPIIYLLGN  
 LAAADLFAGMAYLFLMFHTGPRTARLSIKGWFLRQGLDLSLTASVATLLAIAVERHRSVMVQLHSRLP  
 RGRVVTLIVGVWAAALGLLLPAHFWHCLCDLDSCSRMVPLFSRSYLAAWALSSLLVFLLMVAVYTRIFF  
 YVRRRVERMAEHVSCHPRYRETTLSLVKTVVIILGAFVVCWTPGQVVLVLLDGLDCKSCNVLAVEKYFLLL  
 AEANSLVNAVYSCRDAEMRRTFRLLCCMLRWSSHSKARYSASAQTGASTRIMLPENGRPLMDSTL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020028

**ORF Size:** 1044 bp

**OTI Disclaimer:** 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:**

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\\_020028.3](#), [NP\\_064412.2](#)

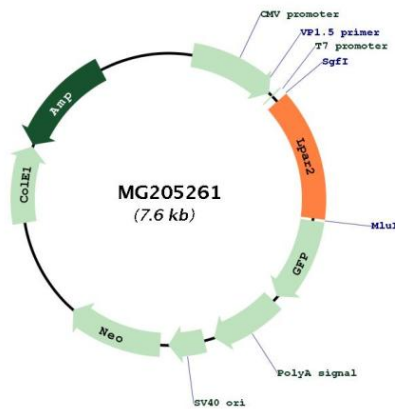
**RefSeq Size:** 5701 bp

**RefSeq ORF:** 1047 bp

**Locus ID:** 53978

**Cytogenetics:** 8 33.91 cM

**Product images:**



Circular map for MG205261