

Product datasheet for MR205261

Lpar2 (NM_020028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar2 (NM_020028) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lpar2
Synonyms:	Edg4; IPA2; LPA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205261 representing NM_020028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCAGTGCTACTACAACGAGACCATCGGCTTTTTCTATAATAACAGCGGCAAGGAGCTCAGCCTTC
ACTGGCGCCCAAGATGTGGTGGTGGCCCTGGGGCTGACAGTCAGTGTGCTGGTATTGCTGACCAA
TCTGCTGGTTATTGCAGCCATCGCCTCCAACCGACGCTCCACCAGCCATATACTACCTGCTTGGCAAC
TTGGCTGCGGCTGACCTCTCGCTGGCATGGCCTACCTCTCCTCATGTTCCATACTGGCCACGCACTG
CCAGGCTCTCCATCAAAGGCTGGTTCCTGCGACAGGGCCTGCTGGACACCAGCCTCACGGCGTCAGTGGC
CACACTGCTGGCCATCGCTGTGGAACGGCACCGCAGTGTGATGGCGGTACAGCTACACAGCCGCTGCC
CGGGCCGTGTGGTCACACTCATCGTGGGTGTGTGGCGGCTGCACTGGGTCTGGGGTGTACCTGCAC
ACTTCTGGCACTGCCTCTGTGACTTGGACAGTTGCTCACGCATGGTGGCCCTGTTACAGCCGCTCCTACTT
GGCTGCGTGGGCCCTATCCAGCCTGCTTGTCTTCTACTCATGGTAGCTGTCTACACACGAATTTCTTCT
TATGTGCGTAGACGGGTGGAACGCATGGCGGAGCACGTCAGTGCCATCCCCGCTACCGAGAGACCACAC
TCAGCCTAGTCAAGACGGTTGTCATCATTCTGGGGCATTGTGGTGTGCTGGACACCGGCCAGGTGGT
GCTGCTCCTGGATGGCCTGGACTGTAAGTCCTGCAACGTTCTGGCTGTGGAGAAGTACTTCTGCTCCTG
GCTGAGGCCAACTCACTGGTCAATGCAGTGGTATATTCTGCGGAGATGCTGAGATGCGCCGACCTTCC
GCCGCTTCTCTGCTGCATGTGTCTCCGCTGGTCCAGCCACAAGTCTGCCGTTACTCAGCTTCTGCCCA
GACGGGTGCCAGCACGGGATCATGCTTCTGAGAATGGCCGCCACTGATGGACTCCACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205261 representing NM_020028
 Red=Cloning site Green=Tags(s)

MGQCYYNETIGFFYNNSGKELSLHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASNRRFHQPIYYLLGN
 LAAADLFAGMAYLFLMFHTGPR TARLSIKGWFLRQGLDLSLTASVATLLAIAVERHRSVMVAVQLHSRLP
 RGRVVT LIVGVWAAALGLGLLP AHFWHCLCDLDSCSRMVPLF SRSYLAAWALSSLLVFLLMVAVYTRIFF
 YVRRRVERMAEHVSCHPRYRETTLSLVKTVVIIILGAFVVCWTPGQVVL LLDGLDCKSCNVLAVEKYFLLL
 AEANSLVNAVVS CRDAEMRRTRFRLLCCMCLRWSSHKSARYSASAQTGASTRIMLPENGRPLMDSTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

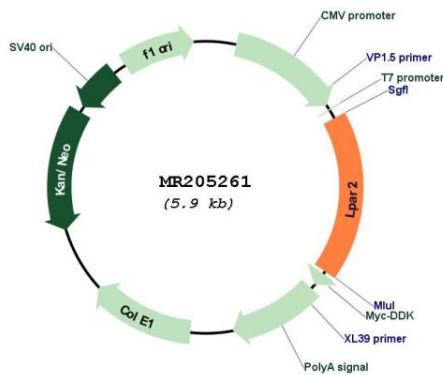
RefSeq ORF: 1047 bp

Locus ID: 53978

Cytogenetics: 8 33.91 cM

MW: 39.5 kDa

Product images:



Circular map for MR205261