

Product datasheet for **MR202786**

Lypla2 (NM_011942) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lypla2 (NM_011942) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lypla2
Synonyms:	Lysoll
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202786 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGGTAACACCATGTCTGTGCCCTGCTCACCGACGCAGCCACCGTGTCTGGAGCTGAGCGGGAAA
CGGCCGCGTTATTTTTTACATGGACTTGAGACACAGGGCACAGCTGGGCTGACGCCCTCTCCACCAT
CCGGCTTCCTCATGTCAAGTACATCTGTCCCATGCGCCAGGATCCCTGTGACTCAACATGAAGATG
GTGATGCCCTCTGGTTGACCTGATGGGGCTGAGTCCGGATGCCCCAGAGGATGAAGCTGGCATCAAGA
AGGCCGCAGAGAACATCAAGGCTTTGATTGAACATGAGATGAAGAACGGGATTCCTGCCAACGGATCGT
CCTGGGTGGCTTCTCGCAGGGTGGGGCCCTGTCCCTCTATACAGCACTTACCTGCCCCACCCCTCTGGCT
GGCATTGTGGCATTGAGCTGCTGGCTGCCTCTGCACCGGAACTTCCCCAAGCAGCAATGGCAGTGCCA
AGGACCTGGCCATCCTTCAGTGCCACGGGGAGCTGGACCCATGGTACCTGTTTCGGTTTGGAGCCCTGAC
AGCTGAGAAGCTCCGGACTGTTGTACACCTGCCAGGGTCCAGTTTAAGACATACCCAGGTGTCATGCAC
AGCTCTGTCTCAGGAGATGGCAGCTGTAAGGAATTTCTGGAGAACTTCTGCCTCCGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202786 protein sequence
Red=Cloning site Green=Tags(s)

MCGNTMSVPLLDAATVSGAERETA AVIFLHGLGDTGHSWADALSTIRLPHVKYICPHAPRIPVTLNMKM
 VMPSWFDLMGLSPDAPEDEAGIKKAAENIKALIEHEMKNIGIPANRIVLGGFSQGGALSLYTALTCPHPLA
 GIVALSCWLP LHRNFPQAANGSAKDLAILQCHGELDPMV PVRFGALTAEKLRTV VTPARVQFKTYPGVMH
 SSCPQEMA AVKEFLEKLLPPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_011942

ORF Size: 696 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_011942.1](#), [NP_036072.1](#)

RefSeq Size: 1593 bp

RefSeq ORF: 696 bp

Locus ID: 26394

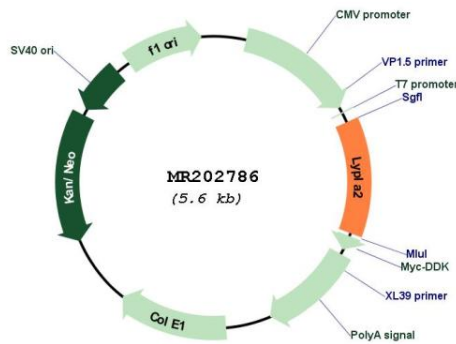
UniProt ID: [Q9WTL7](#)

Cytogenetics: 4 D3

MW: 24.8 kDa

Gene Summary: Hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins, GAP43, ZDHHC6 or HRAS. Deacylates GAP43. Mediates depalmitoylation of ZDHHC6 (By similarity). Has lysophospholipase activity (PubMed:10064901).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202786