

## Product datasheet for **MG202786**

### Lypla2 (NM\_011942) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lypla2 (NM_011942) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lypla2
Synonyms:	Lysoll
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202786 representing NM_011942 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTGGTAACACCATGTCTGTGCCCTGCTCACCGACGCAGCCACCGTGTCTGGAGCTGAGCGGGAAA  
CGGCCGCGTTATTTTTTACATGGACTGGAGACACAGGGCACAGCTGGGCTGACGCCCTCTCCACCAT  
CCGGCTTCCTCATGTCAAGTACATCTGTCCCATGCGCCAGGATCCCTGTGACTCAACATGAAGATG  
GTGATGCCCTCCTGGTTGACCTGATGGGGCTGAGTCCGGATGCCCCAGAGGATGAAGCTGGCATCAAGA  
AGGCCGCAGAGAACATCAAGCTTTGATTGAACATGAGATGAAGAACGGGATTCCTGCCAACCGGATCGT  
CCTGGGTGGCTTCTCGCAGGGTGGGGCCCTGTCCCTCTATACAGCACTTACCTGCCCCACCCCTCTGGCT  
GGCATTGTGGCATTGAGCTGCTGGCTGCCTCTGCACCGGAACTTCCCCAAGCAGCCAATGGCAGTGCCA  
AGGACCTGGCCATCCTTCAGTGCCACGGGGAGCTGGACCCATGGTACCTGTTTCGGTTTGGAGCCCTGAC  
AGCTGAGAAGCTCCGGACTGTTGTACACCTGCCAGGGTCCAGTTTAAGACATACCCAGGTGTCATGCAC  
AGCTCCTGTCTCAGGAGATGCCAGCTGTAAGGAATTTCTGGAGAACTTCTGCCTCCGGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202786 representing NM\_011942  
 Red=Cloning site Green=Tags(s)

MCGNTMSVPLLDAATVSGAERETA AVIFLHGLGDTGHSWADALSTIRLPHVKYICPHAPRIPVTLNMKM  
 VMPSWFDLMGLSPDAPEDEAGIKKAAENIKALIEHEMKGIPANRIVLGGFSQGGALSLYTALTCPHPLA  
 GIVALSCWLPLHRNFPQAANGSAKDLAILQCHGELDPMVVPVRFGALTAEKLRTVVT PARVQFKTYPGVMH  
 SSCPQEMA AVKEFLEKLLPPV

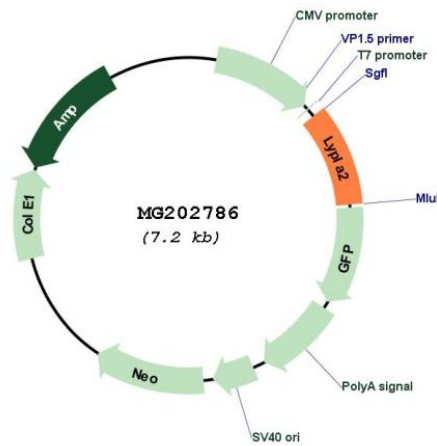
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_011942

**ORF Size:** 693 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_011942.1</a> , <a href="#">NP_036072.1</a>
<b>RefSeq Size:</b>	1593 bp
<b>RefSeq ORF:</b>	696 bp
<b>Locus ID:</b>	26394
<b>UniProt ID:</b>	<a href="#">Q9WTL7</a>
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	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]