

## Product datasheet for **MG226015**

### Lpar3 (NM\_022983) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lpar3 (NM_022983) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lpar3
Synonyms:	Edg7; lpA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226015 representing NM_022983 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGAGTGTCACTATGACAAGCGCATGGACTTTTTCTACAACAGGAGCAACACAGACACAGCGGACG  
AGTGGACAGGGACAAAGCTTGTGATCGTCTGTGCGTGGGGACGTTCTTCTGCCTCTTTATTTTTTTTC  
TAACTCCCTGGTCATTGCTGCGGTGATCACAACCGGAAGTTCACCTTCCCTTCTACTACCTGCTGGCT  
AACTTAGCTGCTGCGGATTTCTCGCCGGAATCGCTTACGTGTTCTGATGTTAACTGGCCCGGTGT  
CGAAAACGTTGACCGTCAACCGCTGGTTCCTCCGCCAGGGCTCCTAGACACCAGCCTGACTGCCTCCCT  
GGCAATTTGCTGTTATTGCTGTGAAAAGACACATGTCCATCATGAGGATGAGAGTCCACAGCAACTTG  
ACCAAAAAGCGGGTGACGCTGCTCATTCTGCTGGTGTGGCCATCGCCATCTTATGTTGGGCGCTGCCCA  
CGCTGGATGGAATTGCCTCTGCAACATCTCGGCTGCTCTTCTGCTGGCTCCCATTTACAGTAGGAGTTA  
CCTCATTTTCTGGACTGTGTCCAACCTCTGGCCTTCTTCATCATGGTGGCGGTATACGTACGCATCTAC  
ATGTATGTTAAAAGAAAACCAACGTCTTATCTCCACACACCAGTGGCTCCATCAGCCGCGGAGGGGCTC  
CCATGAAGCTAATGAAGACAGTGATGACCGTCTTAGGCGCCTTCGTGGTGTGCTGGACCCCGGTCTGGT  
GGTCTGCTGCTGGACGGCCTGAACTGCAAGCAGTGTAACGTGCAACACGTGAAGCGCTGGTTCCTGCTG  
CTCGACTGCTCAACTCCGTCATGAACCCATCATCTACTCGTACAAGGACGAGACATGTACAACACCA  
TGCAGGAGATGATCTGCTGTGCCCTGCAGGACAGCAATACCGAGAGGCGCCCTCCCGCAACCCCTCCAC  
CATCCACAGCAGGAGCGAGACGGCAGCCAGTACCTGGAGGACAGCATCAGCCAGGGCCCGGTGTGCAAT  
AAAAACGGCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226015 representing NM\_022983  
 Red=Cloning site Green=Tags(s)

MNECHYDKRMDFFYNRSNTDTADEWTGKLVIVLCVGTFFCLFIFFSNSLVIAAVITNRKFHFFPYLLA  
 NLAAADFFAGIAYVFLMNTGPVSKTLTVNRWFLRQGLDLSLTASLANLLVIAVERHMSIMRMRVHNSL  
 TKKRVTLLILLVWAIAIFMGAVPTLGNCLCNISACSSLAPIYSRSLIFWTVSNLLAFFIMVAVYVRIY  
 MYVKRKTNVLSPHTSGSISRRRAPMKLMKTVMTVLGAFVVCWTPGLVLLLDGLNCKQCQNVQHVKRWFL  
 LALLNSVMNPIIYSYKDEDMYNTMRKMICCALQDSNTERRPSRNPSTIHSRSETGSQYLEDSISQGPVCN  
 KNGS

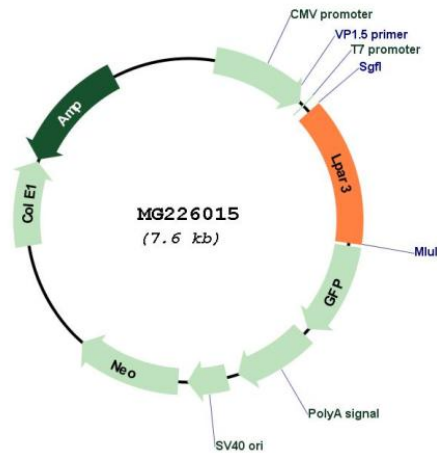
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_022983

<b>ORF Size:</b>	1062 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_022983.4</a> , <a href="#">NP_075359.1</a>
<b>RefSeq Size:</b>	2494 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	65086
<b>UniProt ID:</b>	<a href="#">Q9EQ31</a>
<b>Cytogenetics:</b>	3 71.03 cM
<b>Gene Summary:</b>	Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Seems to be coupled to the G(i)/G(o) and G(q) families of heteromeric G proteins.[UniProtKB/Swiss-Prot Function]