

Product datasheet for **MG203460**

Lasp1 (NM_010688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lasp1 (NM_010688) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lasp1
Synonyms:	AA408629; Def-4; SH3P6; Tg(Col1a1-lacZ)1Ngma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203460 representing NM_010688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCCTAACTGTGCCCGGTGCGGCAAGATCGTGTACCCACGGAGAAGGTGAAGTGTCTGGATAAGT
ACTGGCATAAAGCATGCTTTCCTGCGAGACCTGCAAGATGACCCCTGAACATGAAGAACTACAAGGGTTA
TGAGAAGAAGCCTTACTGCAATGCACACTATCCCAAGCAGTCCTTACCATGGTGGCCGACTCCGGAA
AATCTCCGCCTCAAGCAACAGAGCGAGCTGCAGAGTCAGGTGCGCTACAAGGAGGAATTTGAGAAGAATA
AGGGCAAAGGTTTCAGCGTGGTGGCAGACACGCCTGAGCTGCAGAGAATCAAGAAGACCCAGGACCAGAT
CAGCAATATCAAATACCATGAGGAGTTTGAGAAGAGCCGATGGGGCCAGTGGAGGAGAAGGGGTGGAA
CCAGAGCGCCGAGAAGCCAGGACAGCAGCAGCTACCGGAGGCCACAGAGCAGCAGCAGCCGACGCCCTC
ACCATATCCCAGCAGTGCCTCCGTGTACCAGCAGCCCGCAGCAGCAGATGACCTCGTCTATGGTGG
GTACAAGGAGCCAGCAGCCCTGTCTCCATACAGCGCAGTGCCCGAGGTGGCGGTGGGAAACGGTACCGT
GCAGTGTATGACTACAGCGCTGCCGACGAGGACGAGGTCTCTTCCAGGATGGGGACACCATCGTCAATG
TGCAGCAGATCGATGACGGCTGGATGTACGGGACCGTAGAGCGCACCGGTGACACGGGGATGCTGCCAGC
CAACTACGTGGAGGCCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203460 representing NM_010688
 Red=Cloning site Green=Tags(s)

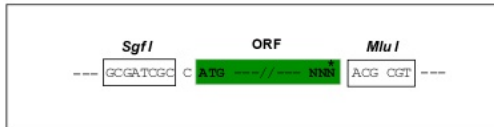
MNPNCARCGKIVYPTKVNCLDKYWHKACFHCETCKMTLNMKNYKGYEKKPYCNAHYPKQSFMTMVA DTPE
 NLR LKQQSELQSQVRYKEEFKNGKGF SVVADTPELQRIKKTQDQISNIKYHEEFKSRMGPSGGEGVE
 PERREAQDSSSYRRPTEQQQPQPHHIPT SAPVYQQPQQQMTSSYGGYKEPAAPVSIQRSAPGGGKRYR
 AVYDYSAADEVSVFQDGTIVNVQQIDDGWMYGTVERTGDTGMLPANYVEAI

TRTRPLE - GFP Tag - V

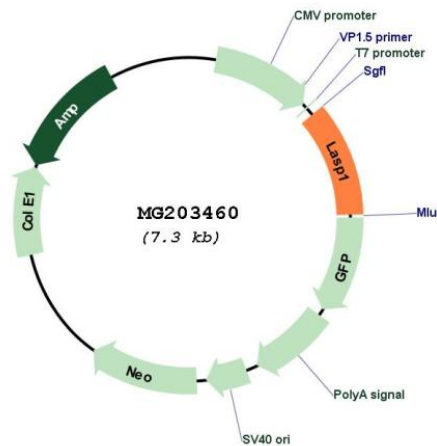
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010688

ORF Size: 789 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:	<ol style="list-style-type: none">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_010688.5
RefSeq Size:	3434 bp
RefSeq ORF:	792 bp
Locus ID:	16796
UniProt ID:	Q61792
Cytogenetics:	11 61.1 cM
Gene Summary:	Plays an important role in the regulation of dynamic actin-based, cytoskeletal activities. Agonist-dependent changes in LASP1 phosphorylation may also serve to regulate actin-associated ion transport activities, not only in the parietal cell but also in certain other F-actin-rich secretory epithelial cell types (By similarity).[UniProtKB/Swiss-Prot Function]