

## Product datasheet for MR203460

### Lasp1 (NM\_010688) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lasp1 (NM_010688) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lasp1
Synonyms:	AA408629; Def-4; SH3P6; Tg(Col1a1-lacZ)1Ngma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203460 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCCTAACTGTGCCCGGTGCGGCAAGATCGTGTACCCACGGAGAAGGTGAAGTGTCTGGATAAGT  
ACTGGCATAAAGCATGCTTTCCTGCGAGACCTGCAAGATGACCCCTGAACATGAAGAACTACAAGGGTTA  
TGAGAAGAAGCCTTACTGCAATGCACACTATCCCAAGCAGTCCTTACCATGGTGGCCGACACTCCGGAA  
AATCTCCGCCTCAAGCAACAGAGCGAGCTGCAGAGTCAGGTGCGCTACAAGGAGGAATTTGAGAAGAATA  
AGGGCAAAGGTTTCAGCGTGGTGGCAGACACGCCTGAGCTGCAGAGAATCAAGAAGACCCAGGACCAGAT  
CAGCAATATCAAATACCATGAGGAGTTTGAGAAGAGCCGATGGGGCCAGTGGAGGAGAAGGGGTGGAA  
CCAGAGCGCCGAGAAGCCAGGACAGCAGCAGCTACCGGAGGCCACAGAGCAGCAGCAGCCGCAGCCTC  
ACCATATCCCAGCAGTGCCTCCGTGTACCAGCAGCCCGCAGCAGCAGATGACCTCGTCTATGGTGG  
GTACAAGGAGCCAGCAGCCCTGTCTCCATACAGCGCAGTGCCCGAGGTGGCGGTGGGAAACGGTACCGT  
GCAGTGTATGACTACAGCGCTGCCGACGAGGACGAGGTCTCTTCCAGGATGGGGACACCATCGTCAATG  
TGCAGCAGATCGATGACGGCTGGATGTACGGGACCGTAGAGCGCACCGGTGACACGGGGATGCTGCCAGC  
CAACTACGTGGAGGCCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203460 protein sequence  
 Red=Cloning site Green=Tags(s)

MNPNCARCGKIVYPTEKVNCLDKYWHKACFHCETCKMTLNMKNYKGYEKKPYCNAHYPKQSFMTMVADTPE  
 NLRLLKQQSELQSQVRYKEEFKNGKGF SVVADTPELQRIKKTQDQISNIKYHEEFKSRMGPSGGEGVE  
 PERREAQDSSSYRRPTEQQQPQPHHIPT SAPVYQQPQQQMTSSYGGYKEPAAPVSIQRSAPGGGKKRYR  
 AVYDYSAADEVSVFQDGTIVNVQQIDDGWMYGTVERTGDTGMLPANYVEAI

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\_010688

**ORF Size:** 792 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\\_010688.5](#)

**RefSeq Size:** 3433 bp

**RefSeq ORF:** 792 bp

**Locus ID:** 16796

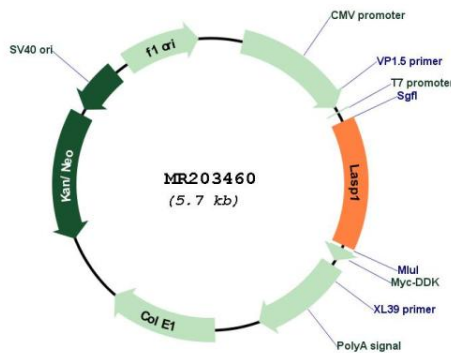
**UniProt ID:** [Q61792](#)

**Cytogenetics:** 11 61.1 cM

**MW:** 30 kDa

**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]

### Product images:



Circular map for MR203460