

## Product datasheet for **MG209419**

### Lpp (NM\_178665) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lpp (NM_178665) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lpp
Synonyms:	9430020K16Rik; AA959454; AU024130; B130055L10Rik; C79715; D630048H16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209419 representing NM\_178665  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTCACCCATCTTGGCTGCCACCCAAAAGCACTGGTGAAGCCTCTTGGCCACGTGCCTGCACGGATGG  
 AGACCACCCATTCTTTGGGAACCCAGTATCTCAGTGTCAACACAACAGCCACCCAAGAAGTATGCTCC  
 AGTTGTTGCTCCGAAACCCAAGTATAACCCATACAAGCAGCCTGGAGGAGAGGGTATCTTCTCCACCG  
 CCACCACCACCTTAGAGGATCCTGGTACCATCCACCTGGTCCCGGACACTTCCCTCCTCCTCCACCAC  
 TGGATGAAGGGGCTTTCAAAGTGCAGCAGGAAATCCTGGAGGCAAGACCCTGGAGGAAAGGCGCTAG  
 TCTAGATGCAGAGATCGACTCCTTGACCAGCATCTTGGCTGATTTGGAGTGCAGCTCACCTACAAGCCA  
 CGTCCCCACAGGGCTCTGCTAGTTCAATAGCCTCCTCCAGTTTCTACTCCTGTCACAGGACATAAGA  
 GAATGGTCATTCCACAGCAGCCACCCCTGACAGCAACCAAGAAGTCCGCAACAAAACCACAGCCTGCACC  
 CCAGGCTGCACCCATCCCAGTACTCCAATTGGAACACTCAAACCCAGCCTCAGCCAGTCCAGCCTCC  
 TATACTACGGCATCCACATCTTCAAGGCCACCTTAAATGTGCAAGTGAAGTCAAGTCAAGCCAGCCAC  
 ATTACATGGCTGGTCCATCCTCTGGACAAATATATGGTCCAGGGCCTCGTGGCTATAACAACCAGCCAGT  
 TCCTGTATCGGGACAGTGTCTCCTCCTCCAACCTGTGTTGGTACCGACTATGCATATATCCACCATCT  
 GGACATCCGCCTGAGTCTGGATATGGGTATACCTCCAACCAAGGACGCTATTATGAACCTTACTATGCAG  
 CAGGTCCTAGCTATGGGGCCGAAGTGAAGGTGATACTGCTTATGGGCAACAGGTTCAACCTAATACCTG  
 GAAGCGGAAGCTGCGTATGCCCTCCTGCAAGCGGGAATCAGAACCATCCTGGCATGTATCCAGTCAGT  
 GGCCCCAAGAAGACCTATACACAGACCCTGTTTCAGCGCCCTGTGCACCACCCTGCACCCAAGGGTG  
 GATACCTGGGCCTATGGGGCCTCCTTCCATCCCCCATCATTCCGCCCAGAAGATGAGCTCGAACACTT  
 GACCAAGAAGATGCTGTATGACATGGAGAACCACCCCGCTGACGATTACTTTGGCCGTTGTGCCCGCTGT  
 GGGAAAAATGTTGTTGGAGAAGGAACAGGATGACTGCCATGGATCAGGTCTTCCACGTGGATTGCTTCA  
 CCTGCATTGTCTGTGATGTCAAGCTCCGAGGGCAGCCTTTCTATGCCGTGGAGAAGAAGGCATACTGCGA  
 GCCCTGTACATTAATACCCTGGAGCAGTGCAGTGTGTGTTGGAAGCCCATGAGGAGGGATCCTCCGT  
 GCCACCGGAAGGCTACCACCCCACTGCTTACCTGCGTGTGTGCCACCGTAGCCTGGACGGCATCC  
 CATTTACTGTGGATGCTTGGGTCTCATTCACTGCATTGAGGACTCCACAAGAAATTTGCCCGCGCTG  
 TTCTGTGTCAAGAACCTATCATGCCAGCCCCAGGCCAGGAGACTGTCCGATTGTGGCTCTGGAC  
 CGTGATTTCCATGTGACTGCTATCGCTGTGAGGACTGTGGTGGTCTTCTGTCCGAAGGAGACAACCAAG  
 GCTGCTACCCCTTGATGGACACATTCTCTGTAAGACCTGCAACTCGGCTCGCATCAGGGTCTTGACGGC  
 CAAGGCAAGCACTGACCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209419 representing NM\_178665  
 Red=Cloning site Green=Tags(s)

MSHPSWLPPKSTGEPLGHVPMETTHSFGNPSISVSTQQPPKKYAPVVAPKPKYNPYKQPGGEGDLLPP  
 PPPPLEDPTIPPDPGHFPPPPPLDEGAFKVVQGNPQGGKLEERRSSLD AEIDSLTSILADLECSSPYK  
 RPPQGSASSIASPPVSTPVTGHKRMVIPQPPLTATKKSATKQPAPQAAPIPVTPIGTLKPQPVPV  
 YTTASTSSRPTFNVQVKSAPSPHYMAGPSSGQIYGPGRGYNNQVPVSVGQCPPTCVGTDYAYIPPS  
 GHPPESGYTSNQGRYEPYAAAGPSYGRSEGDYAGQVQPNWTKREAAAYAPPASGNQNHGPMYPVS  
 GPKKTYITDPVSAPCAPPLQPKGGYPGMPGPPSIPPSFRPEDELEHLTKKMLYDMENPPADDFGRCARC  
 GENVVGEGTGCTAMDQVHVDFCTIVCDVKLRQPFYAVEKKAYCEPCYINTLEQCSVCSKPIMERILR  
 ATGKAYHPCFTVMCHRSLDGIPTVDACGLIHCIEDFHKKFAPRCSVCKEPIMPAPGQETVRIVALD  
 RDFHVHCYRCEDCGGLLSEGDNQGCYPLDGHILCKTCNSARIRVLTAKASTDL

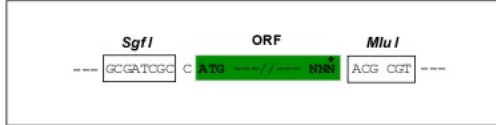
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

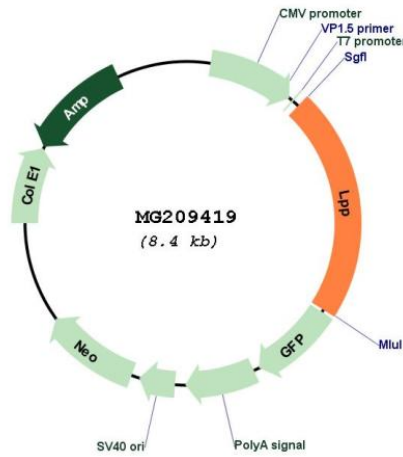
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



ACCN: NM\_178665  
 ORF Size: 1839 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_178665.5</a> , <a href="#">NP_848780.3</a>
<b>RefSeq Size:</b>	15669 bp
<b>RefSeq ORF:</b>	1842 bp
<b>Locus ID:</b>	210126
<b>UniProt ID:</b>	<a href="#">Q8BFW7</a>
<b>Cytogenetics:</b>	16 B1
<b>Gene Summary:</b>	May play a structural role at sites of cell adhesion in maintaining cell shape and motility. In addition to these structural functions, it may also be implicated in signaling events and activation of gene transcription. May be involved in signal transduction from cell adhesion sites to the nucleus allowing successful integration of signals arising from soluble factors and cell-cell adhesion sites. Also suggested to serve as a scaffold protein upon which distinct protein complexes are assembled in the cytoplasm and in the nucleus (By similarity). [UniProtKB/Swiss-Prot Function]