

Product datasheet for **MR209401**

Mpa2l (BC057969) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpa2l (BC057969) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mpa2l
Synonyms:	AI595338; Mpa2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209401 representing BC057969
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCAACCACAAATGGCTCCCATTTGCCTTGTGAAAACCACAATGAACAGCTGTCAGTGAACCAGG
 AAGCCATAGAGATTCTGGACAAGATTTCTCAGCCAGTGGTAGTCGTGGCTATTGTTGGATTGTACCGTAC
 AGGGAAGTCCTATTTGATGAAGTGTGGCGGGACAGAATCACGGCTTCTCTGGGCTCCACCGTGCAG
 TCTCAGACCAAGGGCATCTGGATGTGGTGCATGCCACACCCACCAAGCCAGAGCACACCTGGTCTCC
 TGGACACTGAGGGCTGGGGATGTGAAAAGGGTGATCCTAAGAAGCACTTGTGGATCTTGGCCTCAG
 CGTGCTTCTGAGCAGCCTTCATCTACAACAGCATGAACACCATCAACCACCAAGCCCTGGAGCAGCTG
 CATTATGTCACAGAACTCAGAGCTGATCAGAGCAAAGTCTTCCCAAATCTTGCTGGAATAAAGAATT
 CCACAGAGTTTGTGAGTTTCTTCCAGACTTTGTCTGGATTGTCGGGATTCATGCTGGAGCTGAAGTT
 AAATGGGAAGACATACAAGTGATGACTACCTGGAGAATGCCTGAAGCTGATCCAGGTGACAAACC
 AGAATGCAAGCATCCAATTCATGCAGGGAATGCATCAGACTTTTCTTCTAACCAGGAAGTGTGTTGTCT
 TTGACCGGCCAACGCATGACAAAGAACTTTTACAAAACTTGATTCTATCAGAGAAGACCAACTGGATCC
 TAAATTCAGGAAGTAACAAAGGCTTTTGTCTTACATCTTCACTTATGCCAAGATCAAGACCTAAAA
 GAGGGAATTAAGGTCACTGGGAATAAAGTAGGGATTCTGGTGACAACCTATGTGGATGCCATCAACAGTG
 GAGCAGTGCTTGTCTGGATGATGCTGTGACAACCTCTGGCCAGCGTGAGAACTCAGTAGCTGTGCAGAA
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 CTGGATGTGCATGTAGCTGCGAGAAGGAAGCCATTGCTGTCTCATGGAGCATTCTTCAAGGATGAAA
 ATCAGCAATTCCTGAAGAAGCTGGTGAATTAATAGGAGAGAACAAGAGCTTTTCTGTGGAAGAATGA
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 ACATTTTTTGTCTTGTGGACACAAGCTTTACATGGACAAGAGGAGAAGATTGAACATGACTACTGGC
 AGGTTCCAGGAAGGGGTGAAGGCAAGTGAAGTCTTCCAGAGCTTTCTGCAGTCACAGGCCTTCATCGA
 GAGTTCCATCTTGCAGGCAGACACAGCCCTCACTGCTGGGGAGAAGGCCATTGCAGAGGAGCGTGCCAG
 AAGGTGGCGGCAGAGAAGGAGCAGGATCTGCTAAGACAGAAGCAGAAGGAGCAGCAGGAGTATATGGAGG
 CTCAAGAGAAAAGTCACAAGGAAAACCTAGAGCAACTGAGAAGGAAGCTGGAGCAGGAGAGAGAGCAGGA
 CATCAAAGACCATGATATGATGTGAAGAAGCTAATGAAGGATCAAAGGCTTTCTTGAAGGAGATT
 AAGAAGAAAGCTGAGGAAATGAACAAAGAGATACAGCAACTGAGAGATGTCATCAAGGATAAGAAAAGAA
 ACACTGATCGAATTAAGGATGCTCTCTTAATGGATTTTCTACAGTTCTTTTTCATTACCTGTCCGTTA
 TCTAAAGCATTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209401 representing BC057969
 Red=Cloning site Green=Tags(s)

MTQPQMAPICLVENHNEQLSVNQEAIEILDKISQPVVVVAIVGLYRTGKSYLMNCLAGQNHFPLGSTVQ
 SQTGKIWMWCMHPHTKPEHTLVLLDTEGLGDVEKGDPKNDLWIFALSVLLSSTFIYNSMNTINHQAELQ
 HYVTELTTELIRAKSSPNLAGIKNSTEFVSFFPDFVWIVRDFMLELKLNGEDITSDDYLENALKLIPGDKP
 RMQASNSCRECIRLFFPNRKCFFDRPTHDKELLQKLDSTEDQLDPKFQEVTKAFVSYIFTYAKIKTLK
 EGIKVTGNKLGILVTTYVDAINS GAVPCLDDAVTTLAQRENSVAVQKAASHYSEQMAQRLSLPTETLQEL
 LDVHVACEKEAIAVFMESFCKDENQQFLKKLVELIGENKELFLSKNEEASNKYCQEELDRLSKDFMENIS
 TFFVPCGHKL YMDKREKIEHDYVQVPRKGVKASEVFQSFQSAFIESSILQADTALTAGEKAIAEERAQ
 KVAAEKEQDLLRQKQKEQEQEYMAEQEKSHKENLEQLRRKLEQEREQDIKDHDMMMLKKLMKDQKAFLEEGF
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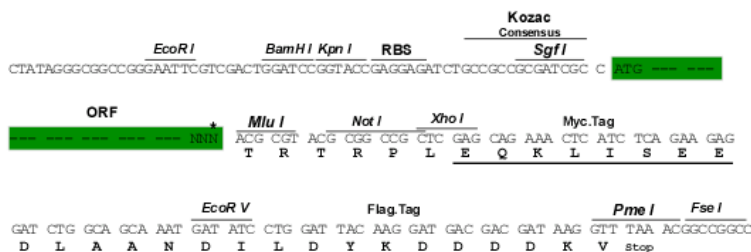
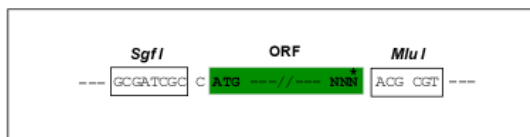
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9062_f10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC057969

ORF Size: 1833 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.

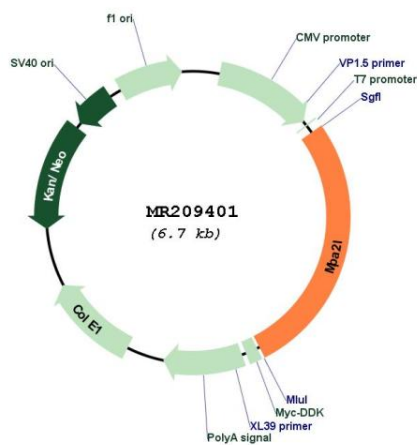
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC057969.1

RefSeq Size: 2608 bp

RefSeq ORF: 1835 bp
 Locus ID: 100702
 Cytogenetics: 5 E5
 MW: 70.3 kDa

Product images:



Circular map for MR209401