

Product datasheet for **MG209401**

Mpa2l (BC057969) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mpa2l (BC057969) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mpa2l
Synonyms:	AI595338; Mpa2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209401 representing BC057969
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCAACCACAAATGGCTCCCATTTGCCTTGTGAAAACCAATGAACAGCTGTCAGTGAACCAGG
 AAGCCATAGAGATTCTGGACAAGATTTCTCAGCCAGTGGTAGTCGTGGCTATTGTTGGATTGTACCGTAC
 AGGGAAGTCTATTTGATGAAGTGTGGCGGGACAGAATCACGGCTTCTCTGGGCTCCACCGTGCAG
 TCTCAGACCAAGGGCATCTGGATGTGGTGCATGCCACCCCCACCAAGCCAGAGCACACCGTGGTCTCC
 TGGACACTGAGGGCTGGGGGATGTGAAAAGGTGATCCTAAGAAGCACTTGTGGATCTTGGCCCTCAG
 CGTGCTTCTGAGCAGCACCTTCATCTACAACAGCATGAACACCATCAACCACCAAGCCCTGGAGCAGCTG
 CATTATGTCACAGAACTCAGAGCTGATCAGAGCAAAGTCTTCCCCAAATCTTGCTGGAATAAAGAATT
 CCACAGAGTTTGTGAGTTTCTTCCAGACTTTGTCTGGATTGTTGGGATTTTCATGCTGGAGCTGAAGTT
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 TTGACCGGCCAACGCATGACAAAGAACTTTTACAAAACTTGATTCTATCACAGAAGACCAACTGGATCC
 TAAATTCAGGAAGTAACAAAGGCTTTTGTCTTACATCTTCACTTATGCCAAGATCAAGACCTAAAA
 GAGGGAATTAAGGTCACTGGGAATAAAGTAGGGATTCTGGTGACAACCTATGTGGATGCCATCAACAGTG
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 AGGTTCCAGGAAGGGGTGAAGGCAAGTGAAGTCTTCCAGAGCTTTCTGCAGTCACAGGCCTTCATCGA
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 AAGGTGGCGGCAGAGAAGGAGCAGGATCTGCTAAGACAGAAGCAGAAGGAGCAGCAGGAGTATATGGAGG
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 CATCAAAGACCATGATATGATGCTGAAGAAGCTAATGAAGGATCAAAGGCTTTCTTGGAGAGGATTT
 AAGAAGAAAGCTGAGGAAATGAACAAAGAGATACAGCAACTGAGAGATGTCATCAAGGATAAGAAAAGAA
 ACACTGATCGAATTAAGGATGCTCTCTTAATGGATTTTCTACAGTTCTTTTTCATTACCTGTCCGTTA
 TCTAAAGCATTTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

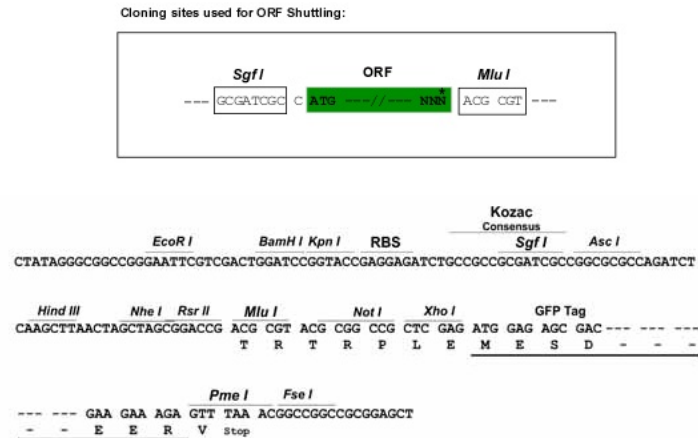
>MG209401 representing BC057969
 Red=Cloning site Green=Tags(s)

MTQPQMAPICLVENHNEQLSVNQEAIEILDKISQPVVVVAIVGLYRTGKSYLMNCLAGQNHGFPLGSTVQ
 SQTKGIMWCMHPHTKPEHTLVLLDTEGLGDVEKGDPKNDLWIFALSVLLSSTFIYNSMNTINHQAELQ
 HYVTELTIRAKSSPNLAGIKNSTEFVSFFPDFVWIVRDFMLELKLNGEDITSDDYLENALKLIPGDKP
 RMQASNSCRECIRLFFPNRKCFFDRPTHDKELLQKLDSTEDQLDPKFQEVTKAFVSYIFTYAKIKTLK
 EGIKVTGNKLGILVTYYVDAINS GAVPCLDDAVTTLAQRENSVAVQKAASHYSEQMAQRLSLPTETLQEL
 LDVHVACEKEAIAVFMESFSDENQQFLKKLVELIGENKELFLSKNEEASNKYCQEELDRLSKDFMENIS
 TFFVPCGHKLYMDKREKIEHDYWQVPRKGVKASEVFQSFQSQAFIESSILQADTALTAGEKAIAEERAQ
 KVAAEKEQDLLRQKQKEQQEYMAQEKSHKENLEQLRRKLEQEREQDIKDHDMMMLKKLMKDQKAFLEEGF
 KKKAEEMNKEIQRLRDVIKDKKRNTDRIKDALLNGFSTVL FHYLVRYLKLHL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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](#)

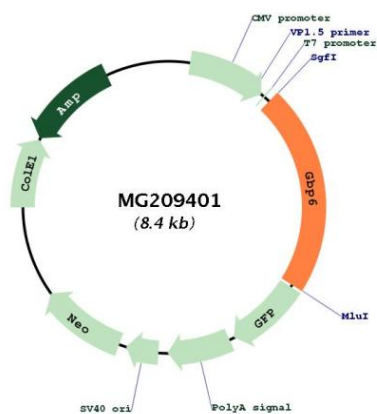
RefSeq Size: 2608 bp

RefSeq ORF: 1835 bp

Locus ID: 100702

Cytogenetics: 5 E5

Product images:



Circular map for MG209401