

Product datasheet for **MG215506**

AY358078 (NM_194347) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	AY358078
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215506 representing NM_194347
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCAAGAGGAAAGCCAAGCAGAAGGCATCCATTTCCAGCACCTCAACACATTTTCACAGGACTGG
GTACCTCAGGTCTTCAGTCCTGTACCAGGAGAGAACTAGAATCTTCTGTGATGTCACCTGTGTTTTGGTT
ACAACAAGTCTTGTGGGATATTCATTTCAGTGCCTTTTGGGTTCTCAATCAGGCATTTTTTCCCGGCTGC
TCAGGCTATTTTACAAGGAGAATGGCAATCAAGGAGAGACCAGACCAAGTGTCTGCTGGGAAAACATCAT
CCCAAAATTGCAACATCACTAATCATATGAAGAATGTGAATAAAGTAGAAGATGAAACTTTATATCAG
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AGGATGAACATTGAATTCACCATCATTAAATCACAAGATGAGAAGACAATGTCGGATATGGAAAAAATGA
CCCAGTCAATAAGTGATACCATTGAGAAGTACAAGGAATTCATAGAAGATAATGATTCTACAGCATCAG
GCATACCCACCTCCTGAAAGAATGCAATCAATTGAAGGAAAAAGTAAGGATGCTGCTGAATGAGAACAGA
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GCAAGAACATACATCCACATCAAAGCAGCAGCAGGTGTATCAGAGGCAGATTGCCCTCATGGCTAACCA
TACATATAGACAATCCAATGTAACAGTCCACCAACTTATCCAGGCACTCATCTGTGCTCCTTCAAGTGT
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TATTTTCAGACATAGGGGAGGAAGAGACAAAGGCCTGGAGGCAAGAAAGTGGGGGATCTTCGATGAATCA
ACTCCTGTGGAAACTCGTCAACGTTTGAATCCACCCGGTGGGAAGACCAGTGACATATTTGGGTCGCCAG
TCACTGCCACTGTGCCTCTGGCACACCCAAACAAGCCCAAGGATCATGTTTTGCTGTGTGAAGGTGAAGA
CTCTAAGTCTGACCTGAAATCTGCAACAGACTCCACACCCAGAGGAGAGCAGGGCGACAAAGGAAGCTCA
AAAGAAGTAGAGCATGCAAGATACCGGAGCCACAGCTACAGTTGACAGTCATGAGCCAGACTGGGGC
CAGGACCTCGCTCCACAACAAAGTCTGAACCCACCAGGAGGCAATCCAGCCTCTCCTTCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



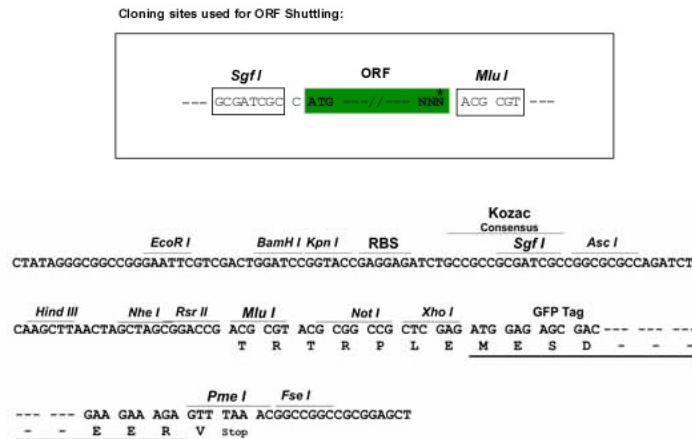
Protein Sequence: >MG215506 representing NM_194347
 Red=Cloning site Green=Tags(s)

MEQEESQAEGIHFOHPQHIFTGLGTSGLQSCTRRELESSVMSPVFWLQQLLVGYSFSAFWLNLQAFFPGC
 SGYFTRRMAIKERPDQVSAGKTSSQNCNITNHMKNVNKVEDMKLYIRKINAEREELCRILDTDMNTDLNY
 RMNIEFTIIKSQDEKTMDEKMTQSI SDTIEKYKEFIEDNDSYSIRHHLKKECNQLKEKVRMLLNENR
 KLLVEQADQEASYGEEKRFCDETSKNIHPTSKQQVYQRQIALMANHTYRQSNVTVHQLIQALICVSFKC
 SFRLKVVAKDSTINVESLCMISQLLHLQVVYEGDLDLVCALFELLPNISDIGEETKAWRQRKWFIDES
 TPVETRQRLNPPGGKTSDFGSPVTATVPLAHPNPKPDHVLLCEGEDSKSDLKSATDSTPRGEQDGKSS
 KEVEHAKIPEPTATVDSHEPRLGPRPRSHNKVLNPPGGKSSLSFY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194347

ORF Size: 1395 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: [NM_194347.1](#), [NP_919328.1](#)

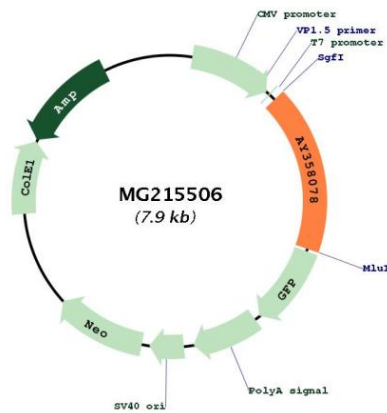
RefSeq Size: 1461 bp

RefSeq ORF: 1398 bp

Locus ID: 278676

Cytogenetics: 14 C1- C2

Product images:



Circular map for MG215506