

Product datasheet for **MG201598**

Yaf2 (BC002192) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Yaf2 (BC002192) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Yaf2
Synonyms: 2810021M11Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201598 representing BC002192
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGACAAGAAGAGCCCCACCAGGCCGAAGCGGCAGCCGAAGCCCGCCTCGGATGAGGGCTACTGGG
 ACTGCAGTGTCTGCACCTTCCGGAACAGCGCCGAGGCCTCAAGTGCATGATGTGCGATGTGCGGAAGGG
 CACCTCCACCCGGAAGCCACGCCCTGTCTCCAGCTGGTGCACAGCAGGTACGCAGCAGTTTCGTGCC
 CCTACCCAGTCGAAGAAAGAGAAGAAAGACCGAGTAGAGAAGGACAAGAGTGAGAAGGAAGCTGCTAGCA
 AAAAGAAGTGTACAAGAAAACCAGACCAAGATTAATAAATGTGGATCGGAGTAGCGCTCAGCATTGGA
 AGTCACTGTTGGAGATCTAACAGTCATTATCACAGACTTTAAGGAGAAAGCCAAGTCAGCGCCTGCGTCC
 AGCGCTGCTGGCGATCAGCACAGCCAGGGCAGCTGCAGCTCGGACAGCACTGAGCGGGCGTGTCCAGGT
 CCTCTCGCCGCGGGGAGAAGCCTCCTCCTCAACGGAGAGTCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201598 representing BC002192
 Red=Cloning site Green=Tags(s)

MGDKKSPTRPKRQPKPASDEGYWDCSVCTFRNSAEAFKCMCDVRKGTSTRKPRPVSQQLVAQVVTQQFVP
 PTQSKKEKKDRVEKDKSEKEAASKKNCHKTRPRLKNVDRSSAQHLEVTVGDLTVIITDFKEKAKSAPAS
 SAAGDQHSQGSCTSDSTERGVSRSSSPRGEASSLNGESH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

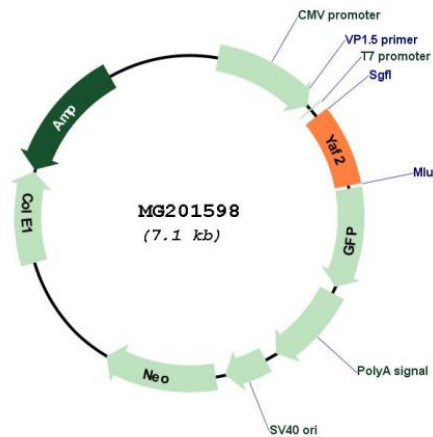


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Cloning Scheme:



Plasmid Map:



ACCN: BC002192

ORF Size: 539 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:	<ol style="list-style-type: none">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:	<u>BC002192</u> , <u>AAH02192</u>
RefSeq Size:	1691 bp
RefSeq ORF:	539 bp
Locus ID:	67057
Cytogenetics:	15 E3
Gene Summary:	Binds to MYC and inhibits MYC-mediated transactivation. Also binds to MYCN and enhances MYCN-dependent transcriptional activation. Increases calpain 2-mediated proteolysis of YY1 in vitro. Component of the E2F6.com-1 complex, a repressive complex that methylates 'Lys-9' of histone H3, suggesting that it is involved in chromatin-remodeling.[UniProtKB/Swiss-Prot Function]