

Product datasheet for **MG218686**

Mageb16 (NM_028025) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb16 (NM_028025) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mageb16
Synonyms:	2410003J06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218686 representing NM_028025 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCAGTCTTCAGAAGAATGTGCAGCTGACCAAGGCCAGACCTGTGAAGAGACCCAGAACTACAGG
TTGCAGCAGCCTCCATCGATGTTGAGGAGCCATGTTCCCTCACCTCATCTTATGGCTACTAGTCTGAAGGA
CCAGACCAGTGAGGAGACCCAAGTCTCCAAGGATGTGGAGGAACCATGTTCTCTCACTTCTTATG
GCTAGCGACCAGGATGATTCTGAAGATGAGACAGCCAGTACTTCCAGTGATCTTCAGCATCCCTATGACT
CTTCAAGCGAGTCTACTGAGGATCTTGATGACCAAGAAGTGCAGGGTAGCCAGTCATTCCACCAGATCA
GTCAGATAGCACAGATTTACCTGTGATGACTGTAGATGGGAAAGTTGATTTCTTGGTGAATTACATGCTG
TACAAGTATCAGGTGAAAGAGGTGATGAGTATGAATGATATAATGACACTCATTGTCAGAGAGGATGAAG
ATCGTTTTTCATGAAATCCTCATGAGAGCTTCTGAGCGCATGGAGATGGTCTTTGGGCTGGATGTGAAGGA
AGTAGATCCTATCAACCATTTGCTATGCTCTCTTTATCAAATTAGGTCTCACCTATGATGGGATGCGCAAT
GATGAGTACAGCTTTCCTAAAACCTGGTCTCCTGATACTCATCCTGGGTGTAGTCTTTATGAAGGGCAACC
GTGCCACTGAAGAGGAGATTTGGGAAGTATTGAATCCAATGGGAATCTATGCTGGGATGACTCATTTTCAT
GTTTGGTGACCTAGAGAGCTGATAACTGATGAGTTTGTGAGGGGCAATACCTGGAATACCAGCCAATA
GCCAATAGTGATCCCATACAGTATGAATATGTGTGGGGCTACGGGCTAAAGCTGAACTAGTAAGATGA
GAGTGTTAGAGTTTGTGGCCAAGGTTTCATGGGTCAGACCTACTGTGTTCTTTCTCAGTATGAAGAGGC
ACTGATTGAAGAAGAAGAGAGAACCCTTACCATGCTATTAGAGCATGCTGATTCAAGTTCTACTTCTGGT
GAAAGTCTAGTGACACAAGCAGCAACTTCTCTCAGGTC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218686 representing NM_028025
 Red=Cloning site Green=Tags(s)

MSQSSEECADQGGTCEETQKLQVAAASIDVEEPCSSPHLMATSLKDQTSEETQVSKDVEEPCSSSLLM
 ASDQDDSEDETA TSSDLQHPYDSSSESTEDLDDQEVQGSPIPPDQSDSTLDPVMTVDGKVDL VNYML
 YKYQVKEVMSMNDIMTLIVREDEDRFHEILMRASERMVMVGLDVKEVDPINHCYALFIKLGITYDGMRN
 DEYSFPKTGLLILILGVVFMKGNRATEEEIWEVLNPMGIYAGMTHFMFGDPRELITDEFVREQYLEYQPI
 ANSDPIQYEVVWGLRAKAETSKMRVLEFVAKVHGSDPTVFLSQYEEALIEEEERTLTMLLEHADSSSTSG
 ESSSDTSSNFSQV

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2209_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028025

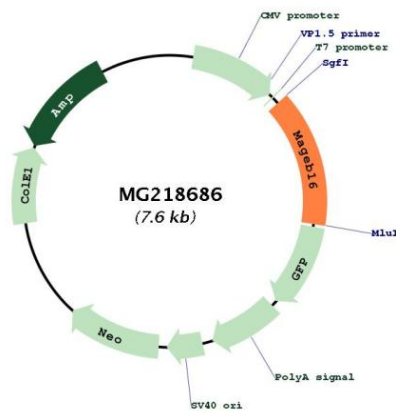
ORF Size: 1089 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.
- RefSeq:** [NM_028025.1](#), [NP_082301.1](#)
- RefSeq Size:** 1854 bp
- RefSeq ORF:** 1092 bp
- Locus ID:** 71967
- UniProt ID:** [Q9CWW4](#)
- Cytogenetics:** X

Product images:



Circular map for MG218686