

Product datasheet for **MG215475**

Mageb3 (NM_008545) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Mageb3
Synonyms:	Mage-b3; Mage-psl; Mage-rs3; Smage3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215475 representing NM_008545
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTAGGGGTCAAAGAGTAAGAGCCGCTCCCGTGCTAAACGACAGCAGTCACGCAGGGAGGTTCAAG
TAGTTCAGCCCACTGCAGAGGAAGCAGGGTCTTCTCCTGTTGACCTGAGTGCTGGTCCAACCTCCCTGG
TGGTCTGCTCCTCAGGGTGTGAAAAACCCTGAATCTTTGGTGCAGGTGTATCCTGCACAGGCTCTGGT
ATAGGTGGTAGAAATGCTACTGTCTGCCTGATACAAAAGTTCAGATGGCACCCAGGCAGGGACTTCCA
TTCAGCACACACTGAAAGATCCTATCATGAGGAAGGCTAGTGTGCTGATAGAATTCCTGCTAGATAAGTT
TAAGATGAAAGAAGCAGTTACAAGGAGTGAATGCTGGCAGTAGTTAACAAGAAGTATAAGGAGCAATTC
CCTGAGATCCTCAGGAGAACTCTGCACGCCTAGAATTGGTCTTTGGTCTTGAGTTGAAGGAAATGATC
CCAGCACTCATTCTATTTGCTGGTGGCAAACCTGGGTCTTCCACTGAGGGAAGTTTGAGTAGTAAGT
GGGGTTGCCTAGGACAGGTCTCCTAATGTCTGTCTAGGTGTGATCTTCATGAAGGGTAACCGTGCCACT
GAGCAAGAGGTCTGGCAATTTCTGCATGGAGTGGGGGTATATGCTGGGAAGAAGCACTTGATCTTTGGCC
AGCCTGAGGAGTTTATAAGAGATGTAGTGCAGGAAAAATACCTGGAGTACCGCCAGGTACCTGGCAGTGA
TCCCCAAGCTATGAGTTCCTGTGGGGACCCAGAGCCCATGCTGAAACAACCAAGATGAAAGTCCCTGGAA
GTTTTAGCTAAAGTCAATGGCACAGTCCCTAGTGCCTCCCTAATCTCTACCAGTTGGCTCTTAGAGATC
AGGCAGGAGGGGTGCCAAGAAGTAGAGTTCAAGGCAAGGGTGTTCATTCCAAGGCCCATCCCCAAAAGTC
CTCTAATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215475 representing NM_008545
Red=Cloning site Green=Tags(s)

MPRGQKSKRSRAKRQQSRREVQVVQPTAEEAGSSPVDLSAGSNFPGGSAPQGVKNPESFGAGVSC TGSG
 IGGRNATVLPDTKSSDGTQAGTSTIQHTLKDPIMRKASVLIFFLLDKFKMKEAVTRSEMLAVVNKKYKEQF
 PEILRRTSARLELVFGLLELKEIDPSTHSYLLVGKLGLESTGSLSSNWGLPRTGLLMSVLGVIFMKGNRAT
 EQEVWQFLHGVGVYAGKKHLIFGEPEEFIRDVVQENYLEYRQVPGSDPPSYEFLWGPRAHAETTKMKVLE
 VLAKVNGTVPFAFNLYQLALRDQAGGVPRSRVQGGKGVHSHKAPSKSSNV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008545

ORF Size: 990 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_008545.2](#), [NP_032571.2](#)

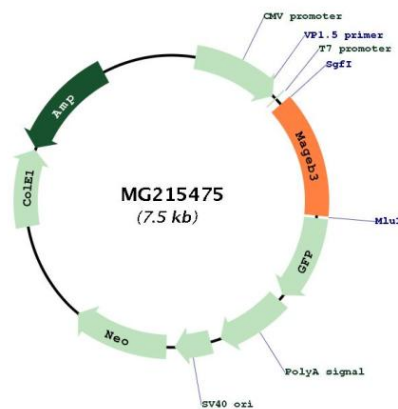
RefSeq Size: 2322 bp

RefSeq ORF: 993 bp

Locus ID: 17147

Cytogenetics: 2 E5

Product images:



Circular map for MG215475