

Product datasheet for **MG214780**

Mageb2 (NM_031171) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb2 (NM_031171) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mageb2
Synonyms:	Mage-b2; Mage-rs2; Smage2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214780 representing NM_031171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTAGGGGTCAAAGAGTAAGACCCGCTCCCGTGCAAACGACAGCAGTCACGCAGGGAGGTTCCAG
TAGTTCAGCCCACTGCAGAGGAAGCAGGGTCTTCTCCTGTTGACCAGAGTGCTGGGTCCAGCTTCCCTGG
TGGTTCGCTCCTCAGGGTGTGAAAACCCCTGGATCTTTTGGTGCAGGTGATCCTGCACAGGCTCTGGT
ATAGGTGGTAGAAATGCTGCTGCCTGCCTGATACAAAAAGTTTCAGATGGCACCCAGGCAGGACTTCCA
TTCAGCACACACTGAAAGATCCTATCATGAGGAAGGCTAGTGTGCTGATAGAATTCCTGCTAGATAAGTT
TAAGATGAAAGAAGCAGTTACAAGGAGTAAATGCTGGCAGTAGTTAACAAGAAGTATAAGGAGCAATTC
CCTGAGATCCTCAGGAGAACTTCTGCACGCCTAGAATTAGTCTTTGGTCTTGAGTTGAAGGAAATGATC
CCAGCACTCATTCTATTTGCTGGTAGGCAAATGGGTCTTTCCACTGAGGGAAGTTTGAGTAGTAAGT
GGGGTTGCTTAGGACAGGTCTCCTAATGTCTGTCTAGGTGTGATCTTCATGAAGGTAACCGTGCCACT
GAGCAAGAGGTCTGGCAATTTCTGCATGGAGTGGGGTATATGCTGGGAAGAAGCACTTGATCTTTGGCG
AGCCTGAGGAGTTTATAAGAGATGTAGTGCGGGAAAATACCTGGAGTACCGCCAGGTACCTGGCAGTGA
TCCCCAAGCTATGAGTTCCTGTGGGACCCAGAGCCCATGCTGAAACAACCAAGATGAAAGTCTTGAA
GTTTTAGCTAAAGTCAATGGCACAGTCCCTAGTGCCTTCCCTAATCTCTACCAGTTGGCTCTTAGAGATC
AGGCAGGAGGGGTGCCAAGAAGGAGAGTTCAAGGCAAGGGTGTTCATTCCAAGGCCCATCCCCAAAGTC
CTCTAACATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214780 representing NM_031171
 Red=Cloning site Green=Tags(s)

MPRGQKSKTRRAKRQQSRREVPVVQPTAEEAGSSPVDQSAGSSFPGGAPQGVKTPGSFGAGVSTGSG
 IGGRNAAVLPDTKSSDGTQAGTSIQHTLKDPIMRKASVLIFFLLDKFKMKEAVTRSEMLAVVNNKYYKEQF
 PEILRRTSARLELVFGLLEKEIDPSTHSYLLVGKLGSTEGSLSSNWGLPRTGLLMSVLGVIFMKGNRAT
 EQEVWQFLHGCVVYAGKKHLIFGEPEEFIRDVVRENYLEYRQVPGSDPPSYEFLWGPRAHAETTKMKVLE
 VLAKVNGTVPSAFPPLYQLALRDQAGGVPRRRVQGGKGVHSAKPSQKSSNM

TRTRPLE - GFP Tag - V

Restriction Sites:

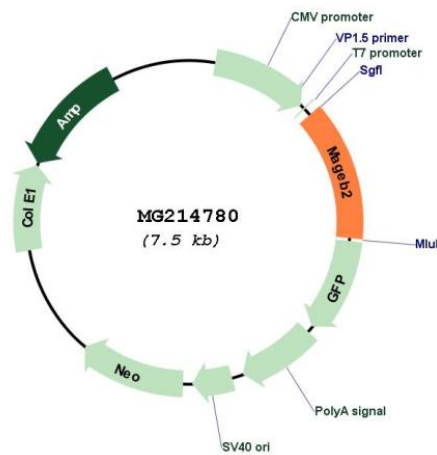
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_031171

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:	<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:	NM_031171.1 , NP_112448.1
RefSeq Size:	993 bp
RefSeq ORF:	993 bp
Locus ID:	17146
Cytogenetics:	X 40.35 cM