

Product datasheet for **MG203394**

H2 (BC002237) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2 (BC002237) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: H2
Synonyms: A1385589; H-2Mb1; H2-Mb1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203394 representing BC002237
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCACTCTGGCTGCTGCTGGTCTCAGTCTGCACTGTATGGGGCAGGTGGCTTTGTGGCTC
 ATGTGGAAAGCACGTGCGTGGATGATGCTGGAACCCACAGGACTTCACATACTGTGTTTCCTTCAA
 CAAAGATCTGCTGGCCTGCTGGGATCCAATAGTGGGAAAATAGTCCCCTGTGAATTTGGGGTGTGTAT
 CCATTGGCCGAAAATTTTCAAGGATCCTCAACAAAGAAGAGAGTCTTCCAGCGTTTGCAAAACGGGC
 TTCCGGACTGTGCTCCACACCCAGCCCTTCTGGAATGCGCTGACCCACAGAACGAGACCGCCATCTGT
 CCGAGTAGCCCAAACACACCTTTTAACACAAGGGAGCCCGTGATGCTGGCCTGCTACGTCTGGGGCTTC
 TATCCAGCGGATGTGACCATCACATGGATGAAGAATGGGCAGCTTGTCCCTTCCCACAGCAACAAGGAGA
 AGACGGCTCAGCCCAATGGAGACTGGACATACCAGACAGTCTCCTACCTAGCCCTAACCCCTTCTACGG
 GGACGTCTACACCTGCGTGGTTCAGCACAGCGGGACCTCTGAGCCCATCCGCGGGGACTGGACACCTGGG
 CTGTCCCCATCCAGACAGTGAAGGTCTCTGTCTGCAGCCACCCTGGGCTGGGCTTACCATCTTCT
 GTGTTGGCTTCTCAGATGGCGCAAGTCTATTCTCCAGCTACACTCTCTCTGGATCCACCTACCC
 AGAAGGACGGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203394 representing BC002237
Red=Cloning site Green=Tags(s)

MAALWLLLLVLSLHCMGAGGFVAHVVESTCVLDDAGTPQDFTYCVSFNKDLLACWDPIVGKIVPCEFGVLY
 PLAENFSRILNKEESLLQRLQNLPCASHTQPFWNALTHRTRPPSVRVAQTPFNTREPVMLACYVWGF
 YPADVTITWMKNGQLVPSHSNKEKTAQPNGDWTYQTVSYLALTPSYGDVYTCVVQHSQSGTSEPIRGDWTGP
 LSPIQTVKVSVAATLGLGFTIFCVGFFRWRKSHSSSYTPLSGSTYPEGRH

TRTRPLE - GFP Tag - V

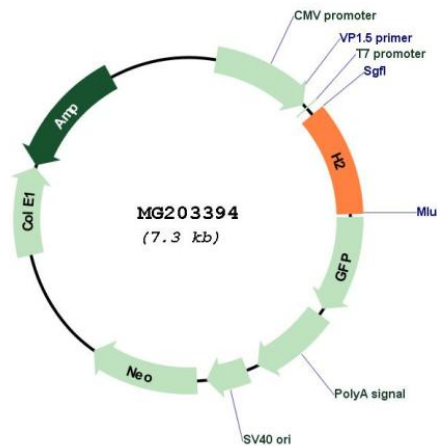
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC002237

ORF Size: 785 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:	BC002237 , AAH02237
RefSeq Size:	1282 bp
RefSeq ORF:	785 bp
Locus ID:	14999
Cytogenetics:	17 17.98 cM