

Product datasheet for **MG205052**

H2 (BC058170) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2 (BC058170) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: H2
Synonyms: H2-B1; H2-BI-like
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205052 representing BC058170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCAGCGAACGCTGCTCCTGCTGCTGGCAGCCGCCCTGACCATGATCCAGACTCGCGCGGTGTTCCG
 GGCCCGGCTCGGGGAGCCCGTTTCATCTCTGTCGGCTACGTGGACAACACGCAGTTCGTGAGCTTCGA
 CAGCGACGCGGAGAATCCGAGATCTGAGCCGGTCGCCCTGGATGGAGCAGGAGGGACCGGAGTATTGG
 GAGCGGAAACACAGATCGCCAAGGACAATGAGCAGAGTTTCGGATGGAGCCTGAGGAACCTGATCCACT
 ACTACAACCAGAGCAAGGGTGGCTTTCACACATTCAGCGGTTGTCTGGCTGTGACATGGGGTTGGACGG
 GCGCCTCCTCCGCGGTACCTGCAGTTCGCTTATGATGGCCGCGATTACATCGCCCTGAACGAAGACCTG
 AAAACGTGGATGGCGGGGACCTGGTAGCGCTGATCACCCGACGCAAGTGGGAGCAGGCTGGTGCTGCAG
 AGCTATAACAAGTTCTACCTAGAGGGCGAATGCGTGGAGTGGCTTCGCAGATACCTGGAGCTCGGGAATGA
 GACGCTGCTGCGCACAGATCCCCAAAGGCCATGTGACCCGTCATCCCAGACCTGCAGGTGATGTCACC
 CTGAGGTGCTGGGCCCTGGGCTTCTACCCTGCTGACATCACCCCTGACCTGGCAGTTGAATGGGGAGGAGC
 TGACCCAGGACATGGAGCTTGTGGAGACCAGGCCTGCAGGGATGGAACCTCCAGAAGTGGGCAGCTGT
 GGTGGTGCCTCTTGGAAAGAGCAGAATTATACATGCCGTGTGCACCATGAGGGGCTGCCTGAGCCACTC
 ACCCTGAGATGGGAGCCTCCTCCATCAACCGGCTCCAACATGGTAAACATAGCTGTTCTGGTTGTCCTTG
 GAGCTGTGATCATCATTGAAGCTATGGTGGCTTTTGCCTTGAAGAGCAGGAGAAAAATAGCCATCCTTCC
 TGGTCCAGCAGGCACTAGGGGATCATCTGCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205052 representing BC058170
 Red=Cloning site Green=Tags(s)

MAQRLLLLLLAAAL TMIQTRAVFGPGLGEPRFISVGYVDNTQFVSFSDAENPRSEPRSPWMEQEGPEYW
 ERETQIAKDNEQSFQWGLRNL IHYNQSKGGFTFQRLSGCDMGLDGRLLRGYLQFAYDGRDYIALNEDL
 KTWMAADLVALITRRKWEQAGAAELYKFYLEGECVEWLRRLYELGNETLLRTDPPKAHVTRHPRPAGDVT
 LRCWALGFYPADITLTWQLNGEELTQDMELVETRPAGDGTFFQKWAAVVPLGKEQNYTCRVHHEGLPEPL
 TLRWEPPTSGSNMVNI AVLVLGAVIIIEAMVAFALKSRRKIAILPGPAGTRGSSAS

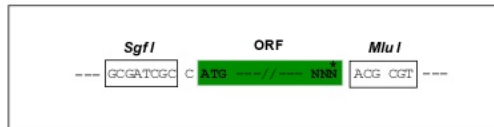
TRTRPLE - GFP Tag - V

Restriction Sites:

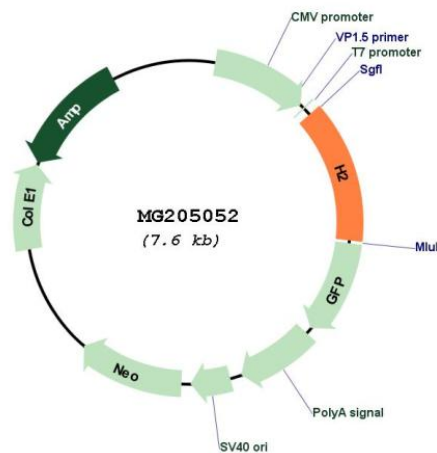
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC058170

ORF Size: 1016 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:	BC058170 , AAH58170
RefSeq Size:	1375 bp
RefSeq ORF:	1016 bp
Locus ID:	14963
Cytogenetics:	17 18.89 cM