

## Product datasheet for MR205115

### H2 (BC080812) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H2 (BC080812) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H2
Synonyms:	Q1b, Q1d, Q1k
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205115 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACTGGGAAGGCTGCTCCTGCTGCTGGCAGCCGCCCTGACCCTGACCAAAACCGGAGCGGGCTCAC  
ACTCGTGC GGATTTTCGAGACCTCGGTGTCCCAGCCGGCTTCGGGAAGCCCGGTTTCATCTCTGTCCG  
CTACGTGGACGACACGCAGTTTGTGCGCTTCGACAGCGACGCAAGAATCCGAGATATGAGCTGCGGGCG  
CCGTGGATGGAGCAGGAGGGCCGGAGATTGGGAGCGGAACACACGGAGAGTCAAGGGCAGTGAGAAGA  
GATTCCAAGAGAGCCTGAGCACCTGCTCAGCTACTACAACCAGAGCAAGGGCGGCATTCACACCTCCA  
GAAGTTGTCTGGCTGTGATCTGGGGTCAAGTGGGCGCCTTCAAAGCGGGTACCTGCAGTTTCGCTATGAT  
GGCCTTGATTACATCGCCCTGAATGAAGACCTGAAAACCTGGACAGCAGCAGATGTGGCAGCTCAGGAAA  
CCCAGACAAGTGGGAGCAGGCTGGTGCTGCTGAGAAAACAGGACCTACCTGGAGGGCAAGTGCCTGAT  
GTGGCTCCACAGATACCTGGAGCTCAGGAAGGAGATGCTGCTGCGCACAGATCCCCAAAGGCACATGTG  
ACTCATCACCCAGATCTCAAGGTGATGTACCCTGAGGTGCTGGGCCCTGGGCTTCTACCTGCTGACA  
TCACCCTGACCTGGCAGTTGAATGGGGAGGAGCTGACCCAGCACATGGAGCTTGTGGAGACCAGGCTGC  
AGGGATGGAACCTTCCAGAAGTGGGCATCTGTGGTGGTGCCTCTGGGAAGGAGCAGAATTACACATGC  
CATGTGTACCATGAGGGGCTGCCTGAGCCCTCACCTGAGATGGGAGCCTCCTCCATACACTGTTTCCA  
ACATGGTAATCATAGCTGTTCTGGTTGCTTGGAGCTGTGATAGTCATTGGAGCTGTGGTATCATTGG  
AGTTATGGTGTCTTTTGTGATGAAGAGGAGGAGAAACAAAGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205115 protein sequence  
 Red=Cloning site Green=Tags(s)

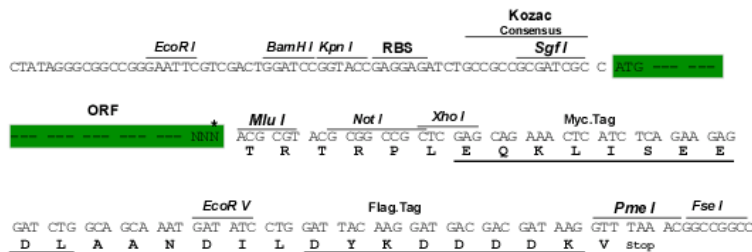
MALGRLLLLLAAALTLTKTGAGSHSLRYFETSVSQPGFGKPRFISVGYVDDTQFVRFDSDAKNPRYELRA  
 PWMEQEGPEYWERNTRRVKVGSEKRFQESLSTLLSYNQSKGGIHTFQKLSGCDLGSQDRLQSGYLQFAYD  
 GLDYIALNEDLEWTAAADVAAQETRHKWEQAGAAEKHRTYLEGKCLMMLHRYLELRKEMLLRTDPPKAHV  
 THHPRSQGDVTLRCWALGFYPADITLTWQLNGEELTQHMELVETRPAGDGTFFQKWASVVVPLGKEQNYTC  
 HYYHEGLPEPLTLRWEPPTVSNMVIIVLVVLGAVIVIGAVVIIGVMVSFVMKRRRNKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC080812

**ORF Size:** 1023 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.

**RefSeq:** [BC080812](#), [AAH80812](#)

**RefSeq Size:** 2001 bp

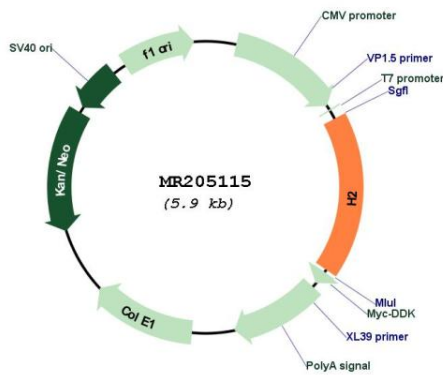
**RefSeq ORF:** 1025 bp

**Locus ID:** 15006

**Cytogenetics:** 17 18.63 cM

**MW:** 38.7 kDa

**Product images:**



Circular map for MR205115