

## Product datasheet for MR203264

### H2 (BC099472) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H2 (BC099472) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H2
Synonyms:	Qa-1, Qa1, Qed-1, 37b, 37c, T18c, T18c(37), T23b, T23d, C920025E04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203264 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCTTTTTGCCCACTTGCTTCAGCTGCTGGTCAGCGCCACAGTCCCGACCCAGAGTAGCCACACT  
CGCTGCGGTATTTACCACCGCCGTGTCCCGCCCGCCCTCGGGAGCCCGGTTTCATCATTGTCGGCTA  
CGTGGACGACACGCAGTTCGTGCGCTTCGACAGCGACGCGGAAAATCCGAGGATGGAGCCTCGGGCGCG  
TGGATTGAGGAGGGGGCCGGAGTATTGGGAGCGGGAGACTTGGAAAGCCAGGGACATGGGGAGGAACT  
TCAGAGTAAACCTGAGGACCCTGCTCGGCTACTACAATCAGAGTAACGACGAATCTCACAGCTGCAGTG  
GATGTACGGCTGCGACGTGGGGCCCGATGGGCGCCTGCTCCGCGGTATTGTCAGGAGGCCACGATGGC  
CAGGATTACATCTCCCTGAACGAGGACCTGCGTTCCTGGACCGGAATGACATAGCCTCACAGATCTCTA  
AGCACAAGTCAGAGGCAGTCGATGAGGCCACCAACAGAGGGCATACTGCAAGGTCCTTGCGTGGAGTG  
GCTCCATAGATACCTACGGCTGGGAAATGAGACTGCAGCGCTCAGGTGCCCTGGAGAGCTCTCCTCAC  
TTTTCTCTGCGGTTTGGGGAAATCCTTGAGGTATAACCTCAGGGGCAGAACGCTGTTCCAGCGGGCACA  
GCGGGAGGAGGGAGAGGGACTCCAAAACCTGCTTTCCCTGTAGGGATTCTAATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR203264 protein sequence  
 Red=Cloning site Green=Tags(s)

MLLFAHLLQLLVSATVPTQSSPHSLRYFTTAVSRPGLGEPRFIIIVGYVDDTQFVRFDSDAENPRMEPRAR  
 WIEEEGPEYWERETWKARDMGRNFRVNLRTLLGYYNQSNDESHTLQWMYGCDVGPDRLLRGYCQEAYDG  
 QDYISLNEDLRSWTANDIASQISKHKSEAVDEAHQQRAYLQGPCVEWLHRYLRLGNETLQRSGALESSPH  
 FSSAVWGKSLRYNLRGRTLFSGHSAEEEEGEPLKLLFPCRDSNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** BC099472

**ORF Size:** 762 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:** [BC099472](#), [AAH99472](#)

**RefSeq Size:** 2015 bp

**RefSeq ORF:** 764 bp

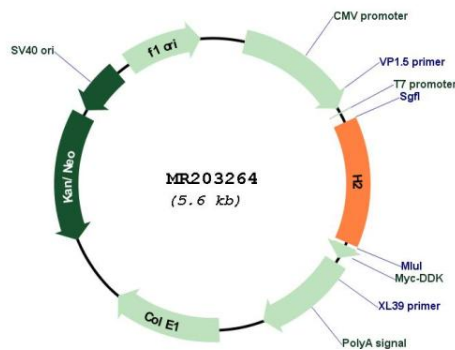
**Locus ID:** 15040

**Cytogenetics:** 17 18.86 cM

**MW:** 73.8 kDa

**Gene Summary:** Involved in the presentation of foreign antigens to the immune system.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203264