

Product datasheet for **MR215479**

H2 (NM_008204) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2 (NM_008204) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2
Synonyms: H-2M2; Thy19.4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215479 representing NM_008204
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGACTTCAGCATTCTCACTCTCCTCTCACTCTACCTGCTGCTGGGGCTTCCCTTGCCTGG
CACAGACCTTTAAAGGATCCCCTCTTGGGACTTCGACATCGCAGTGTCAAGACCTGGCCTAGAGGA
GACCCACTACATGACTGTTGGCTATGTGGATGACACAGAGTTTGTGCATTTGACAATGAGGCTGAGAAT
CCGAGGTTTGAGCCCGAGTGCCTTGGATGGAACAGATGGGACAGAAGTACTGGGATGACCAGACACGCA
TTGCGAAAGCTGCAGAACAGCAGATTAGAGTGTACTTTCAGAACTGCGAGACTACTACAACCAGAGCCA
GAACAGTTCTCACACCATCCAAAGGATGACTGGCTGCTACATTGGACCAGACGGGCACCTACTTCACGCA
TACCGTCAGTTTGGTTATGATGGCAAGATTACCTCACTCTGAATGAAGATCTGAGCACCTGGACTGCAG
CAGATGCGGCAGCTGAGATCACCCGTAGAGAGTGGGAGGCAACTAATGTGGCTGAGTTCTGGAGGGTCTA
CTTGGAGGGCCCTTGCATGGTGTGGCTCTTAAATACCTGACAGTGGGAAATGAGACTCTACTGCGACA
GAGCCCCAAAGGCATATGTGACCCATCACCCAGACCTGAAGGTGATGTACCCGTAGGTGCTGGGCCC
TGGGTTTCTACCTTCTGACATCATGATCTGGCAAAGAGATGGGAGGACCAGACCCAGGACATGGA
TGTTATTGAGACCAGACCTGCAGGGGATGGAACCTTCCAGAAGTGGGTAGCTGTGGTGGTGCCTTCTGG
AAGGAGCAGAATTACACATGCCATGTGGCTCATGAGGGACTGCCTGAGCCCTCACCTGAGATGGAGTA
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215479 representing NM_008204
 Red=Cloning site Green=Tags(s)

METSAFFTLFLYLLLGASLALAQTFKGSLSRLRYFDIAVSRPGLLEETHYMTVGYVDDTEFVHFDNEAEN
 PRFEPRVPWMEQMGQKYWDDQTRIAKAAEQIRVYFQKLRDYNNQSSHTIQRMTGCYIGPDGHLHA
 YRQFGYDGDYLLNEDLSTWTAADAAAETRREWEATNVAEFWRVYLEGPCMVLWKYLTVGNETLLRT
 EPPKAYVTHHPRPEGDVTLRCWALGFYPSDIIMIWRQDGEDQTQMDVIEITRPAAGDGTGFQKWVAVVPSG
 KEQNYTCHVAHEGLPEPLTLRWSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9057_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008204

ORF Size: 912 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: [NM_008204.2](#), [NP_032230.1](#)

RefSeq Size: 1528 bp

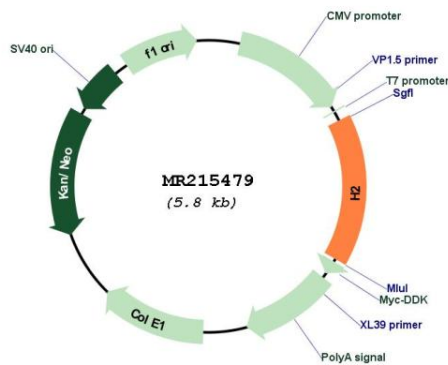
RefSeq ORF: 915 bp

Locus ID: 14990

Cytogenetics: 17 19.16 cM

MW: 35.3 kDa

Product images:



Circular map for MR215479