

Product datasheet for MR225669

H2-M5 (NM_001115075) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-M5 (NM_001115075) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2-M5
Synonyms: CRW2; D130003B22Rik; H-2M5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225669 representing NM_001115075
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGAAGCCCTGCGCTCTCTACCCTCCTATCCTTGCTGCTCACCAGGAGCTTTGGCCTTGACCCTGGTTC
GCGCAGGCATCCATTCTTGCAGTTTTTGGCCACCACCATGACCCAGCCTGGTTTGAGGGAGCATTCTCT
CATCTTTGTCGCTTCGTGGACGACACAGTTCTGTGCTACAACAATAAGGGGAAAAATCAGAGAATG
GAGCCACGCGCTCTGTGGTGAAGCAGATGGGGCCAGAGTATTGGGAACAGCAGACCAGGACTGTCAAGG
TCATTGAGAAGATTGCCCTAGTGAATTTGCAGGAGGCCATGGACATCTACAACCACAGCAAGGATGGCTC
TCACGTCTTTAGTGTGTATGGCTGCGAAGTGGGGCCAGATGGACTCTTCTCCGTGGGCATGAGAAG
CACGCATACGACGGCCGCGATTACCTCACCCCTAAGCCCGACCTGCACTCCTGGGTCGCAGGCGACACAG
CTGCGCAGATCACGCTGCGCAGGTGGGAGAAGTCTGGTGTCTCTGAGCAAAGGCAATCTTCTTGAAGGG
CGAGTGTGTGGAGTCGCTCCGCACATACCTGGAGATAGGGAAGGAGACTCTGCTAAGAACAGATCCTCCC
AAGGCACATGTGACCCATCACCCAGACCTGAAGTGAAGTACCCTGAGGTGCTGGGCCCTGGCCTTCT
ACCCTGCTAACATCATCTGACCTGGCAGTGGGATGAGGAAGACCTGACTCAGGACATGGACCTCATTGA
GACCAGACCTGCAGGGGATGGACCTCCAGAAGTGGGCATCTGTGGTGTACCTTCTGGAGAGGAACAG
AGATACACATGTCATGTGCAACATGAGGGGCTAACCCAGCCCTTGTCTAAAATGGGACCTTCTAAGC
ACACCATTCCCATCATGGGAATCACTGTTGGCCTGCTTCTTTGGAGTTGTGTTACTGGAGCTGTGGT
TGCCATAGTGATGAGGAAGAGGAAAGGTTTTTCAGATAATAATTCTAAAAACATTCCTGAAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225669 representing NM_001115075
 Red=Cloning site Green=Tags(s)

MRSPALSTLLSLLL TGALAL TLVRAGIHS LQFFATTMTQPGLREHSFIFVVFVDDTQFLCYNNKGNQRM
 EPRALWVKQMGPEYWEQQTRTVKVIKIALVNLQEAMDIYNHSDGSHVFCVYVGCEVGPDGLFLRGHEK
 HAYDGRDYLTLSPDLHSWVAGDTAAQITLRRWEKSGVSEQRQSFLLKGCVEVSLRITYLEIGKETLLRTDPP
 KAHVTHHPRPEGEVTLRCWALGFYPANIIILTWQWDEEDLTQDMDLIETRPAGDGTQKQWASVVVPSGEEQ
 RYTCVHQHEGLTQPLVLKWDPSKHTIPIMGITVGLLLFGVVFTGAVVAIVMRKRKGFQIIILKTFLLKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms: https://cdn.origene.com/chromatograms/mm9082_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001115075

ORF Size: 1044 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_001115075.2](#)

RefSeq Size: 1170 bp

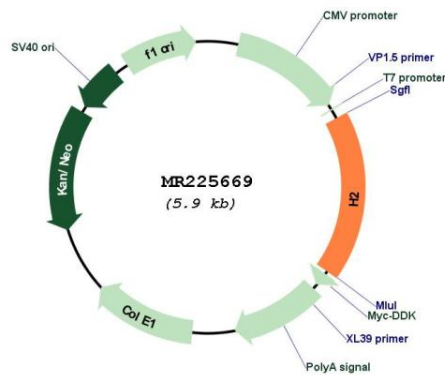
RefSeq ORF: 1047 bp

Locus ID: 240095

Cytogenetics: 17 19.16 cM

MW: 39.5 kDa

Product images:



Circular map for MR225669