

## Product datasheet for MR212180

### H2-M10.4 (NM\_177634) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H2-M10.4 (NM_177634) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H2-M10.4
Synonyms:	15H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212180 representing NM_177634 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGAACCCTGGACACTTTGCCATCCTTTGCCTCCTATTGGTGACCATAGACCGGCCCCAGTATTGTG  
AAGGCTCACACTGGCTGAAGACTTTTCAGGATTGTAATAATGGAGCCTGGCATATTGGAGCCCGGTTTCAT  
CCAGGTCAGCTATGTAGACTCCATACAGTATCAGGGATTCGACAGCAGATCAGAGACTGCGGGGATGCAA  
CCTCGGGCTGCTTGGATGAAGCAGGAGCCACCTGAATATTGGAAGAATGAGACAGAACATGCCATGGCG  
CGTCACTGTTAGCAAGACGAACCTTATATACATGGTGACTGAAAATAATAACAAGAAGAATGACTATCA  
CACCTGCAGGAAGTGTGGCTGCAATGTGGCAGATGATGGGAGCTTCCTTGGTGGTCACTACGGGCTC  
ACCTACTATGGCTATGATTACATCATCCTGAATGAGGACCTGAACCTTGGACTACAGAGGGAAAAGTAG  
GTGGAAAATTTAATCCAGACCGGACGCAAGGAAGCGTGACAGAAGGTTGGAGGACTTACCTGAAAGGGGA  
GTGCACAGAAAGGTTTCTTAGATGCCTGGACCTTGAAAGGAGACCTTGCTGCGCTCCGATGCCCCCGA  
ACACATGTGACCCACAAAGTAACACCTGAAGGGAATGTCACCTGAGGTGCTGGGCTCTGGGTTTCTACC  
CAGCTGACATCACCTGACCTGGAAGAGAGATGGGAAAAACACCCAGGACATGGAGCTGCCAGACAC  
CAGGCTGCAGGGGATGGAACCTTCCAGAAGTGGCAGCTGTGGTGGTTCCTTTTGGAGAAGAGCTGAGA  
TACACATGTATGTGCACCATGAAGGTTACCTGGGCCACTCACTGAAATGGGGCCTCCACAAACCA  
TCCCATCATAGCAATTCTCATCGCCCTGGTTCCTGTAGCTTTGGTGGTGGGAACGTGGTGATTTTCT  
GGTGTGGAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR212180 representing NM\_177634  
Red=Cloning site Green=Tags(s)

```
MRNPGHFAILCLLLVTIDRPQYCEGSHWLKTRIVIMEPGILEPRFIQVSYVDSIQYQGFSRSETAGMQ
PRAAWMKQEPPEYWKNETEHAMGASLLARRTLIYMVTENNKKNDYHTLQEVFGCNVAHDGSFLGGHYGL
TYYGYDYIILNEDLNSWTTTEGKVGKFNPDRTQGSVTEGWRTYLYKGECTERFLRCLDLGKETLLRSDAPR
THVTHKVTPEGNVTLRCWALGFYPADITLTKWRDGNHTQDMELPDTRPAGDGTQKWAAVVVPFGEELR
YTCHVHHEGLPGPLTLKWGPPQTIPIIAILIGLVLVALVVGTVVIFLVWRK
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1227\\_h04.zip](https://cdn.origene.com/chromatograms/ja1227_h04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_177634

**ORF Size:** 993 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\\_177634.2](#)

**RefSeq Size:** 996 bp

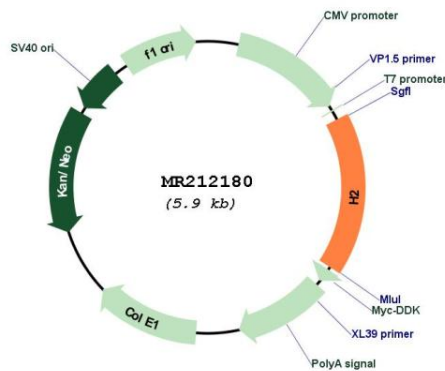
**RefSeq ORF:** 996 bp

**Locus ID:** 224753

**Cytogenetics:** 17 19.09 cM

**MW:** 38.1 kDa

**Product images:**



Circular map for MR212180