

## Product datasheet for MR212220

### H2-T24 (NM\_008207) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H2-T24 (NM_008207) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H2-T24
Synonyms:	H-2T24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212220 representing NM_008207 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTGGGCTCTTATCTTCTGGCTTCTGAGTCACCCCCAGGACGGCGGAGCCCGGTGCGACTCTCTGCATT  
ACTGTTACTCAGCTGTGACTGAGCCGGGCCGGGAGTTTCCTTCATTTTTCGCCAGTGCTTCTTAGATAA  
CCAGCCCTTCATCCACTACGACAGCAGGAGCATGAAGGCAGAGCCTTGTGCTGACTGGCTGAGGGAAAAT  
GCACAGTACTTCACTCATGAGACTGAGGTTTTCCACCAATCGGATGAAGATTTCCAGTTGAGCCTGAGAA  
ACATTCGGCAATACTACAACAGCTCTGGTACCCAGAGTCAGAGAGCAGATGGCTTCGCCAGCAAGCAGG  
CCCTCACACCCTCCAGTTCACATACGGCTGTGAGATGCGGTACAACAGGACCACAGGGCATTGGCAGTAT  
GGCTACGATGGCAGTGATTACCTGACCTTGGACTTGGGCTCTATGCAATATATAGCAGCCACCTTCATTG  
CTGGCTACACCAAGCGCAAGTGGGAAAACAATGAGTACTGGCTGGAGAAAAGAGAAGCCTACTTGGAGAA  
GGAGTGCATCCTATGGCTGCAGAGATACTTAACCATGGGAGGAAAGAAGCTTTACCCGAAGTACCCTCCA  
AAGACAACAGTGACTCATCAGTTCAAACCTAAAGAAAACGTCACCCTGAGGTGCTGGGCCCTGGGCTTCT  
ACCCTGCTGACATCACCTGACCTGGCAGTTGAATGGAGAGGAGCTGACCAGGACACGGAGCTTGTGGA  
GACGAGGCCTTCAGGGGATGGGACATCCAGAAGTGGGACGCTGTGGTGGTGCCTTCTGGAGAGGAGCAG  
AGATACACATGTGCAACATGAGGCACTAACGCAGCCCCTGTTCTGAAATGGGAGCCTCTTCAGC  
TCACCAGCCCCACGACAGGAGTATATGCTAGGGGAAGCTGTAGTCTCAAGCAACCTTGCTGAGTGTCTCT  
TGCGTTTCCTTTATTTGGCATAGTACTTGTGTTTGGACTTACCCGCTACAAAACCTCAGGTGAGAAGAAAG  
AACTGGCTGCTCCATCTGTTCTGAAGAAGAGAGGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR212220 representing NM\_008207  
 Red=Cloning site Green=Tags(s)

MWALIFWLLSHPQDGGARSHSLHYCYSAVTEPGPGVPSFFASGFLDNQPFIHYSRSMKAEPCADWLREN  
 AQYFTHETEVTNRMKIFQLSLRNIRQYINSSGTQSRADGFRQQAGPHTLQFTYGCEMRYNRRTTGHWQY  
 GYDGS DYLTLDL GSMQYIAATFIAGYTKRKWENNEYWLEKEKTYLEKECILWLQRYLTMGGKNFTRTDP  
 KTTVTHQFKPENVTLRWCWALGFYPADITLTWQLNGEELTQDTEL VETRPSGDGTQKWAAVVPSGEEQ  
 RYTCHVQHEALTQPLVLKWEPLQLTPTTGVYARGSCSPQATLLSVLAFPLFGIVLVFGLTRYKTQVRRK  
 NWPAPSVPEEERL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_008207

**ORF Size:** 1089 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\\_008207.3](#), [NP\\_032233.2](#)

**RefSeq Size:** 2182 bp

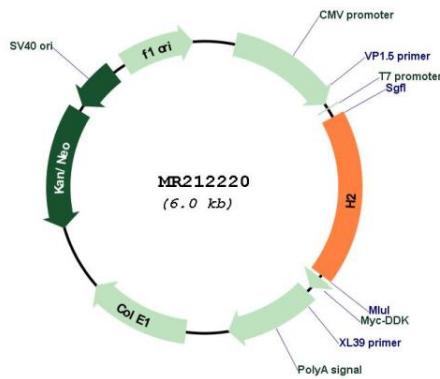
**RefSeq ORF:** 1092 bp

**Locus ID:** 15042

**Cytogenetics:** 17 18.84 cM

**MW:** 42.4 kDa

**Product images:**



Circular map for MR212220