

## Product datasheet for MR206209

### H28 (BC024930) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H28 (BC024930) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H28
Synonyms:	H-28; H28; H28-1; NS1178
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206209 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTGACAGCCAGATTGACATGGATAGAAGAGAAGATTCTGGAAAAGCTGCTTGGGAACGCATCGT  
TGACTCTTCTTTATCAGTCCAGTGCTCATAAAAATTGTGTTTCTGAGATGACTCAGAAATATTCTCTTCA  
GGGATCCACAATGACAGTATTTACCTAGAGAAAGATGTTGTTGGGTGTTTTATACTGGAGAATTTT  
CCTAGGTTAGTCTCTGAAAAGCCATGTACTTGTGCGTGGTTTTTCATTA AAAAGGAATAATAGTTCTGGAA  
TATCAGCTTTGTTTTGAACACAAAAGTAATAGTTGACTCTGAAGATCTGATAATTTTCTACTCGATGG  
TTTGTCACCTCAGTGTGACTCCACTTAGAGGCTTACACTTGCTCTAAATGACACAGTAATGAACGGTCTA  
GAACTCAATCTTGACATGGCTTTCTACTTGTGGAATGTGAAATCTTTGAGTTGATGGCATTAAAGAAA  
ATCCAAGCTTCATAAAGAAGATGGTGACCGCCGAACAGCACCGAGGAAAATTA CTCTCTGCTCTCAGAGC  
CTACAAGCCTTATAAGGACCTGGTTTCAGAAGTTCGTAATCTCTTGGTGGGCCAGTAGGCTCAGGAAA  
TCGAGCTTTTCAACTCAGTGAAGTCTGCTTTCCAAGGCCACTAACTCGCCAGGCCATTGTGGGTCTG  
ACGAAAGCAGTATACCAAGCAGTTCACCCCTGTGAGCCAATGAAGCCGAAGCACTCCCCTCACGCCG  
CTCTCCGCCCTGAAGGACAGGATTCAGTGCCTGGCTTTGTCTAGACATCAACTCTGTTAATACTACTA  
TCTGATAAAAATGGTGGCAAAGCTGAAAAAATTCGAAAGATGTAGTAGACTGTGGTATAGGATATGTAG  
CCTTGCTTACAAAATGTGGAGGAATATGATGAAGTCTTGATGACAATTTTGCAAACATGACAGAAACTGT  
GACTTCTCTAAGCCAGGTTCAAGATGTCCAAAAATGGCTAAATATTCCTATAGCCAATATCTTGATGGTC  
AGCAATTATGCTTCAGAGCGAAGGTTGGAGCCTATGAAGGATATTCTGGTCTTTGCTGCTCAGGCAGA  
TGTTGAGGGCTGCGGATGATGCCTTAGAGGACTTGCTCTCGAGGATACTGGTAACCTGGCTCCTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206209 protein sequence  
Red=Cloning site Green=Tags(s)

MKVTARLTWIEEKILEKLLGNASLTLQSSAHKNCVSEMTQKYSLQGSTMTVFHLEKDVVVGVFILENF  
 PRLVSEKPCTCAWFLSKRNNSSGISALFLNTKVI V DSEDL I I FSLDGLSLSVTPLRGFTLALNDTVMNGL  
 ELNLGHGFLLECEIFRVDGIKKNPSFIKMMVTAEQHRGKLLSALRAYKPYKDLVSEVRILLVGPVSGK  
 SSFFNSVKSAFQGHLTRQAI VGSDESSITKQFNPCPEMPKPKHSPHAASPLKDRIHCVAFVLDINSVNTL  
 SDKMVA LKKIRKDVVDCGIGYVALLTNVEEYDEVLD DNFANMTEVTVTSLSQVQNVQKWLNIPIANILMV  
 SNYASERRLEPMKDILVFAALRQMLRAADDAEDLPLEDTGNLAPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** BC024930

**ORF Size:** 1188 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [BC024930](#), [AAH24930](#)

**RefSeq Size:** 2228 bp

**RefSeq ORF:** 1190 bp

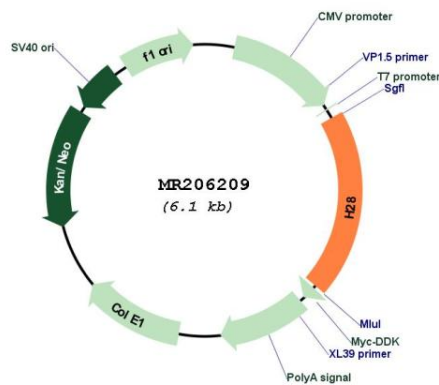
**Locus ID:** 15061

**Cytogenetics:** 3 76.94 cM

**MW:** 44 kDa

**Gene Summary:** This gene encodes a minor histocompatibility antigen that is involved in tissue graft rejection and is polymorphic in different mouse strains. The 5' region of this gene, including the translational start codon and the first 293 amino acids, is absent from the C57BL/6J genome. The encoded antigen is not thought to be expressed in C57BL/6J. [provided by RefSeq, Mar 2013]

### Product images:



Circular map for MR206209