

Product datasheet for **MG206209**

H28 (BC024930) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H28 (BC024930) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	H28
Synonyms:	H-28; H28; H28-1; NS1178
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206209 representing BC024930 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGTGACAGCCAGATTGACATGGATAGAAGAGAAGATTCTGGAAAAGCTGCTTGGAAACGCATCGT
TGACTCTTCTTTATCAGTCCAGTGCTCATAAAAATTGTGTTTCTGAGATGACTCAGAAATATTCTCTTCA
GGGATCCACAATGACAGTATTTACCTAGAGAAAGATGTTGTTGGGTGTTTTATACTGGAGAATTTT
CCTAGGTTAGTCTCTGAAAAGCCATGTACTTGTGCGTGGTTTTTCATTA AAAAGGAATAATAGTTCTGGAA
TATCAGCTTTGTTTTGAACACAAAAGTAATAGTTGACTCTGAAGATCTGATAATTTTCTACTCGATGG
TTTGTCACTCAGTGTGACTCCACTTAGAGGCTTCACACTTGCTCTAAATGACACAGTAATGAACGGTCTA
GAACTCAATCTTGACATGGCTTTCTACTTGTGGAATGTGAAATCTTTGAGTTGATGGCATTAAAGAAA
ATCCAAGCTTCATAAAGAAGATGGTGACCGCCGAACAGCACCGAGGAAAATTACTCTGCTCTCAGAGC
CTACAAGCCTTATAAGGACCTGGTTTCAGAAGTTCGTAATCTCTTGGTGGGCCAGTAGGCTCAGGAAA
TCGAGCTTTTCAACTCAGTGAAGTCTGCTTTCCAAGGCCACCTAACTCGCCAGGCCATTGTGGGTCTG
ACGAAAGCAGTATACCAAGCAGTTCACCCCTGTGAGCCAATGAAGCCGAAGCACTCCCCTCACGCCG
CTCTCCGCCCTGAAGGACAGGATTCAGTGCCTGGCTTTGTCTAGACATCAACTCTGTTAATACTACTA
TCTGATAAAAATGGTGGCAAAGCTGAAAAAATTCGAAAGATGTAGTAGACTGTGGTATAGGATATGTAG
CCTTGCTTACAAAATGTGGAGGAATATGATGAAGTCTTGATGACAATTTTGCAAACATGACAGAAAATGT
GACTTCTCTAAGCCAGGTTTCAAGATGTCCAAAAATGGCTAAATATTCCTATAGCCAAATATCTTGATGGT
AGCAATTATGCTTCAGAGCGAAGGTTGGAGCCTATGAAGGATATTCTGGTCTTTGCTGCTCAGGCAGA
TGTTGAGGGCTGCGGATGATGCCTTAGAGGACTTGCTCTCGAGGATACTGGTAACCTGGCTCCTTTC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206209 representing BC024930
 Red=Cloning site Green=Tags(s)

MKVTARLTWIEEKILEKLLGNASLTLQSSAHKNCVSEMTQKYSLQGSTMTVFHLEKDVVVGVFILENF
 PRLVSEKPCTCAWFS LKRNSSGISALFLNTKVI V DSEDL I I FSLDGLSLSVTPLRGFTLALNDTVMNGL
 ELNLGHGFLLECEIFRVDGIKKNPSFIKMMVTAEQHRGKLLSALRAYKPYKDLVSEVRILLVGPVGSBK
 SSFFNSVKSAFQGHLTRQAI VGSDESSITKQFNPCEPMKPKHSPHAASPLKDRIHCVAFVLDINSVNTL
 SDKMVAKLKKIRKDVVDCGIGYVALLTNVEEYDEVLDDNFANMTEVTVSLSQVQNVQKWLNIPIANILMV
 SNYASERRLEPMKDILVFAALRQMLRAADDALEDLPLEDTGNLAPF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC024930

ORF Size: 1190 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: [BC024930](#), [AAH24930](#)

RefSeq Size: 2228 bp

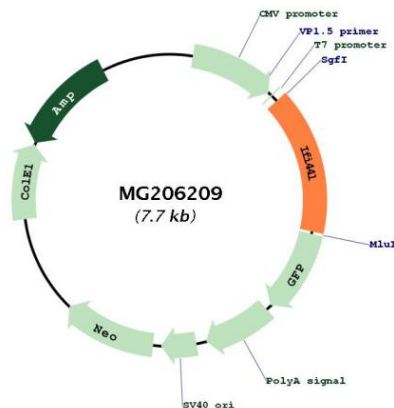
RefSeq ORF: 1190 bp

Locus ID: 15061

Cytogenetics: 3 76.94 cM

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 MG206209