

Product datasheet for **MG215190**

H2-Ob (NM_010389) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	H2-Ob
Synonyms:	A-beta-2; A-beta2; H-2Ab; H-2I; H-2Ob; H2-Ab; H2-Ab2; H2-IAb2; Ob
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215190 representing NM_010389
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGCTGGGAGGGCCCCCTGGGTGGTGGCTCTGTTGGTGAACCTCATGAGGCTGGATTCCTTCATGA
TTGAAGGCAGAGACTCCCCAGAGAATTTGTGATTCAGGCCAAAGGCGGACTGTTACTTCACCAATGGTAC
AGAAAAGTTCACTTGTGCTGGTCAGGTTTCATCTCAACCTGGAGGAGTATTTACACTTCGACAGTGACCTG
GGGATGTTTGTGGCTCTGACGGAGCTGGGGGAACCTGATGCTGACCAGTGAACAAACGCCTGGATCTCC
TGGAGACGAGCAGAGCTGCTGTGAACATGGTCTGCAGGCAGAAGTACAAGCTGGGGGCCCCCTTCACTGT
GGAGAGAAATGTGCCTCCAGAGGTGACAGTGTATCCAGAGAGGACCCCGTTGCTGCAGCAGCACAACTG
CTGCTCTGCTCTGTGACAGGCTTCTACCCCGGGACATAAGTGTCAAGTGGTCCGGAATGGACAGGAGG
AGAGGTCTGGGTCATGTCCTACTGGCCTTGTAGGAATGGAGACTGGACCTTCAGACAACAGTAACTGCT
GGAAATGATCCCAGAGCTTGGTGACATCTACAGCTGCCTCGTGGAGCACCCCGCCTCCTGAGACCTGTT
TCTGTGGCATGGATGGCTCAGTCTGAATATTCCTGGAAAAAGATACTGAGTGGAGCTGCAGTGTTCCTGC
TTGGGCTGATTGTCTTCTGGTGGGGTGTATCCATCTCAAGGCTCAGAAAGCATCTGTGGAGACTCA
GCCTGGCAATGAGGCCTCAAGAGAGTCTCCATTCTCAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



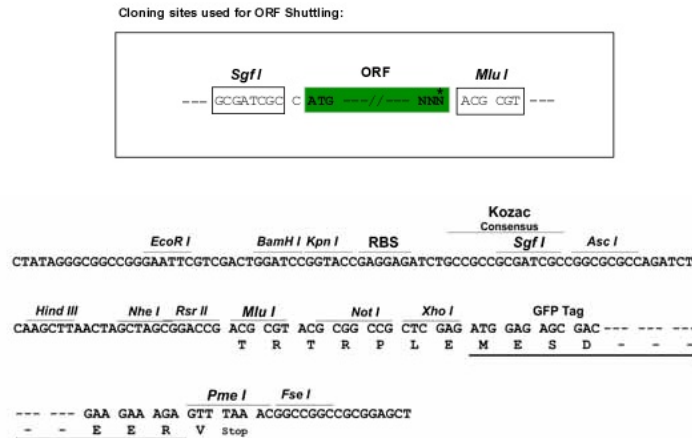
Protein Sequence: >MG215190 representing NM_010389
 Red=Cloning site Green=Tags(s)

MGAGRAPWVVALLVNLMRLDSFMIEGRDSPENFVIQAKADCYFTNGTEKVHLLVRFIFNLEEYLHFDSDL
 GMFVALTELGEPPADQWNKRLDLETSRAAVNMVCRQKYKLGAPFTVERNVPPEVTYYPERTPLLQQHNL
 LLCSVTGFYPGDISVKWFRNGQEERSGVMSTGLVRNGDWFQTVMLEMIPELGDIIYSCLVEHPGLLRPV
 SVAWMAQSEYSWKKILSAAVFLGLIVFLVGVVIHLKAQKASVETQPGNEASRESLHSQP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010389

ORF Size: 813 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: [NM_010389.3](#), [NP_034519.2](#)

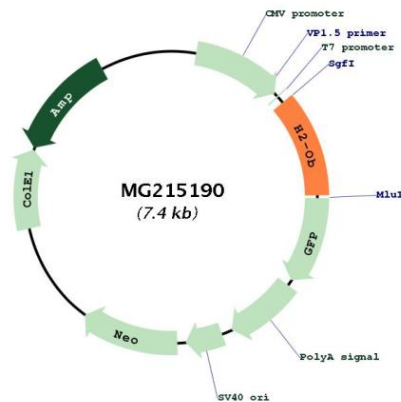
RefSeq Size: 2670 bp

RefSeq ORF: 816 bp

Locus ID: 15002

Cytogenetics: 17 17.98 cM

Product images:



Circular map for MG215190