

Product datasheet for **MC210926**

H2bw2 (NM_027067) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2bw2 (NM_027067) Mouse Untagged Clone
Tag: Tag Free
Symbol: H2bw2
Synonyms: 1700014N06Rik; H2bfm; H2bfw; H2BL; H2bl2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC210926 representing NM_027067
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTACCACGGCTATGGACGTTCTGGAGGAGCTATCTTCGGATAGTTCCGAAAAACAGGTACAAC
CAAGAAAGCCTGAGAAAGCTAAAAGGGAAAAGGACAAACCAAAGAAAGGGGGCCGGAGAAGAAGGCCAA
GAAAGAGAACAGGAGAAAGCAAAGCCGGAGAAAAAGCCGAAGAAGAAGCCAGAGAAAGAGAAGCCGGAG
GGAGAGAAGCTGGAGAAGAAACCAAGAAAGACAAGCGGGAGAAAGCGAAGCCGAAGAAGAAGCCCGAGC
AAGAGAACCGTGAGCAAGAGACTCTGAGCAGGAGAAGCCTGAGGTGCAGCGGCTCGCTCACTTACCA
AAGCATCAGGGAAGATGAGCGTAGAGCCCGTCTGATCAGACGCCGTAAGAACAGCTTCGCTACTACTTT
CCGAAGGTGCTGAAAAATATCCACGTGGGTCTCTCCCTCTCGCAGCGGTCTGTGAACATCTGGATTCAT
TCGTGAAGGATATGTTTGAAGAATTGCATCCGAAGCCAGCTTCTTGGCGCGTCAAGCCAGAAACTCTAC
TATCAACTCCAGAGAGATCCAGACCGCTATTGACTTCTGCTTCTGCGGAGCTCTGCCGGGTGCAGTG
GCTGAAGGAACCATGGCGATGGTCCGGTATATCTCCAACAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027067
Insert Size: 675 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_027067.2</u> , <u>NP_081343.1</u>
RefSeq Size:	1049 bp
RefSeq ORF:	675 bp
Locus ID:	69389
Cytogenetics:	X F1
Gene Summary:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the H2B histone family. [provided by RefSeq, Nov 2015]