

Product datasheet for MC200689

H2ax (NM_010436) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2ax (NM_010436) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H2ax
Synonyms:	AW228881; gammaH; gammaH2ax; H2A.; H2A.X; H2af; H2afx; Hist5-; Hist5-2ax
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC010336 sequence for NM_010436 GTTCGTGGTCTCTCAGCGTTGTTTCGCAGCTCTTCTACCTCGTACACTATGTCCGGACGCGGCAAGACCGG CGGCAAGGCCCGCGCCAAGGCCAAGTCGCGCTCTTCACGCGCCGCGCTTCAGTTCCTGTAGGCCGCGTA CACCGGCTGCTGCGGAAAGGCCACTACGCGGAGCGCGTGGGCGCAGGCGCGCGCGGTGTACCTGGCAGCGG TGCTCGAGTACCTCACTGCCGAGATCCTGGAGCTGGCGGGCAACGCGGCCCGCGCAACAAGAAGACGCG CATCATCCCGCGCCACCTGCAGCTGGCCATCCGCAACGACGAGGAGCTCAACAAGCTGCTGGGCGGCGTG ACCATCGCGCAGGGCGGCGTCTGCCAACATCCAGGCGGTGCTGCTGCCAAGAAGAGCAGCGCCACCG TGGGGCCCAAGGCGCGGCGGTGGCAAGAAGGCCTCGCAGGCCCTCTCAGGAGTACTGAGGGGGCCCGCG CCGAGGCCCGCCAGCCCTCCCCACACCTCCACAAAGGCCCTTTAAGGGCCACCACCTCCCTCACAGAAA GAGCTGAGCCACTTCGGGCTGCGGCGGCTTGCCGCGTCCCATCCTTTCTTTCCCTCCTCTCCCCTCC CCGCCCTCGCGCACTCTCCCCTTACCCCGCACGGCCTCCGGTTCTGCCACGGAGGACGCGGGCGCCGC GGCACCTGCCATCCCGAGCTCGTGACATCGCTTCGCCGTTCTCGGTTGTGGACGACGGCTCCGTGCGG AGAGGCTGCGGCGCCTTCCCGAGTCTCGGCCCTCGCTCAGACGTCCGGCCGCGGTGGGCTTGAAGGTT AGTCCCTCCGAGCTACAGCCCCGGCGTCTTGCTTCAGCTTGGTGCTTAGCCCTCGCCTGGACCTTTGA AAAGTGACTTGATTGCCGGGCTTAGAGGAGGAGAAATGGATCACATTGTTTCCTTCGGTGTACCGTTGC TGGCCTCATACAGTTGACCCTGTGCCATTTCGTAGGCCAGTGTGGTGTGGCGGGGCCAAAAATGGTTGT AATGTGAACCCAGTTTCTCTAGGAATACCTCCCGCAAGGGTCAGAGAGACGCTTACCGGCTGTGGACA AGAGTTCTATACCTGCCGAGGCGACTGGCAGCCGGGCTAGCCATCCATCCCCTCTTCCCAGCGACTC AACTACAACCCAAACACCTAGATACAGCACAAGCCGGTGAATCCCTGTCTGGACTGAGCCTCTGGCTTC TGAAGTGAACCTTTTGAGCTATTACAAGTTTAGAACCCTTAAGTGGGGAGATTTAATGGGCTAATTTTAT TAAAGGATCGTTTGGTTTGTGTTTTTAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_010436
Insert Size:	432 bp


[View online »](#)

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC010336 , AAH10336
RefSeq Size:	1414 bp
RefSeq ORF:	432 bp
Locus ID:	15270
UniProt ID:	P27661
Cytogenetics:	9 24.84 cM
Gene Summary:	<p>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 histone H2A family. [provided by RefSeq, Nov 2015]</p>