

Product datasheet for MR200934

H2ax (NM_010436) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2ax (NM_010436) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2ax
Synonyms: AW228881; gammaH; gammaH2ax; H2A.; H2A.X; H2af; H2afx; Hist5-; Hist5-2ax
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200934 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGGACGCGGCAAGACCGGCGCAAGGCCGCGCCAAGGCCAAGTCGCGCTCTTCACGCGCCGGCC
 TTCAGTTCCTGTAGGCCGCGTACACCGGCTGCTGCGGAAAGGCCACTACGCCGAGCGCGTGGGCGCAGG
 CGCGCCGGTGTACCTGGCAGCGGTGCTCGAGTACCTACTGCCGAGATCTGGAGCTGGCGGCAACGCG
 GCCCGCGACAACAAGAAGACGCGCATCATCCCGCGCCACCTGCAGCTGGCCATCCGCAACGACGAGGAGC
 TCAACAAGCTGCTGGGCGCGTGACCATCGCGCAGGGCGGCGTCTGCCAACATCCAGGCCGTGCTGCT
 GCCAAGAAGAGCAGCGCCACCGTGGGGCCAAGCGCCGGCGGTCCGCAAGAAGGCCTCGCAGGCCTCT
 CAGGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200934 protein sequence
 Red=Cloning site Green=Tags(s)

MSGRGKTGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGYAERVGAGAPVYLAADVLEYLTAEILELAGNA
 ARDNKTRIIPRHLQLAIRNDEELNKLGGVTIAQGGVLPNIQAVLLPKKSSATVGPKAPAVGKKASQAS
 QEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

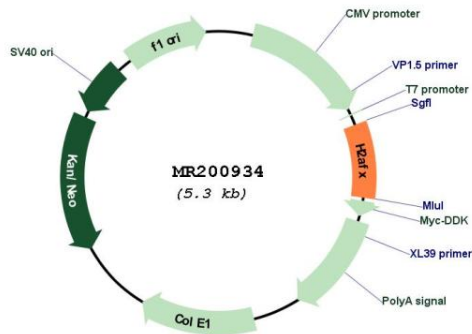
Restriction Sites: SgfI-MluI



RefSeq: [NM_010436.2, NP_034566.1](#)
RefSeq Size: 1414 bp
RefSeq ORF: 432 bp
Locus ID: 15270
UniProt ID: [P27661](#)
Cytogenetics: 9 24.84 cM
MW: 15.1 kDa

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 histone H2A family. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MR200934