

Product datasheet for **SC208089**

MACROH2A1 (NM_138609) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MACROH2A1 (NM_138609) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MACROH2A1
Synonyms: H2A.y; H2A/y; H2AF12M; H2AFY; MACROH2A1.1; macroH2A1.2; mH2A1
ACCN: NM_138609
Insert Size: 625 bp
Insert Sequence: >SC208089 3'UTR clone of NM_138609

The sequence shown below is from the reference sequence of NM_138609. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGGAAATGGCCAAGCTGGACGCCAACTAGGCTGAGCAATGACAGAACCAGCTGCACCATGTACCCAC
CTTCAGTTTAAAAGAAAAAATCCCCTTCACTCTACTGGGAGTGGGACCCCTTTCATTTTCAGT
TTTGCTCATCTAGGAAAATAAGGCTTTGGTTTCCAGTTTAATTGTTTTGACCTTCTAAAATGTTTTT
ATGTTAGCACTGATAGTTGGCATTACTGTTGTTAAGCACTGTGTTCCAGACCGTGTCTGACTTAGTGTA
ACCTAGGAGATTTTATAGTTTTATTTAATGAAACCCTGATTGACGCACAGCAGTGGGAGAACAGCGT
CTTTTACCTGTCACCGAAGCCAGGAAGCCCGTTTGTAAGCGTGTGTTGGTGTCTTTATTGTACATCC
TCCAGTGGCGTCTTTTTACTCTAATGTTCTTTTGGTTTCCCCCTCAGAAGAATCATGAATTTGCAAC
AGACCTAATTTTTGGTTACTTTTTGTCTTATTGATGGATTTGAAAATGAAAGATTAATAAGGCAAAGC
AGAATCTGTTGTCCTTAATTATATTGCAATTTGGAATTTGTGTGAGTTGATTTAGTAAAATGTTAAAC
CGTT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



[View online >](#)

RefSeq: [NM_138609.3](#)

Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a replication-independent histone that is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015]

Locus ID: 9555

MW: 24.1