

## Product datasheet for **SC200173**

### **HIST1H2AK (HIST1H2AI) (NM\_003509) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	HIST1H2AK (HIST1H2AI) (NM_003509) Human 3' UTR Clone
Symbol:	HIST1H2AK
Synonyms:	H2A/c; H2AC11; H2AC15; H2AC16; H2AC17; H2AFC; HIST1H2AI
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003509
Insert Size:	95 bp
Insert Sequence:	>SC200173 3'UTR clone of NM_003509 The sequence shown below is from the reference sequence of NM_003509. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> GAGAGCCACCACAAGGCCAAGGGCAAG <b>TAG</b> AAGCCTGGATTAGTTTGCAGCAACTCAATCCCAAAGGAA CCAAAGGCTCTTTTCAGAGCCACCTA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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.
RefSeq:	<u><a href="#">NM_003509.3</a></u>



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**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 is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]

**Locus ID:**

8329

**MW:**

3.4