

## Product datasheet for **RC213816L3V**

### **HIST1H2AK (HIST1H2AI) (NM\_003509) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	HIST1H2AK (HIST1H2AI) (NM_003509) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HIST1H2AK
Synonyms:	H2A/c; H2AC11; H2AC15; H2AC16; H2AC17; H2AFC; HIST1H2AI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003509
ORF Size:	390 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213816).
OTI Disclaimer:	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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_003509.2</a>
RefSeq Size:	469 bp
RefSeq ORF:	393 bp
Locus ID:	8329
UniProt ID:	<a href="#">P0C0S8</a>
Cytogenetics:	6p22.1
Protein Pathways:	Systemic lupus erythematosus
MW:	14.1 kDa



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**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 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]