

## Product datasheet for **RC201582L4V**

### **HIST1H2BK (H2BC12) (NM\_080593) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	HIST1H2BK (H2BC12) (NM_080593) Human Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	H2BC12
<b>Synonyms:</b>	H2B/S; H2BFAiii; H2BFT; H2BK; HIST1H2BK
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-mGFP-P2A-Puro (PS100093)
<b>Tag:</b>	mGFP
<b>ACCN:</b>	NM_080593
<b>ORF Size:</b>	378 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(RC201582).
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_080593.1</a>
<b>RefSeq Size:</b>	863 bp
<b>RefSeq ORF:</b>	381 bp
<b>Locus ID:</b>	85236
<b>UniProt ID:</b>	<a href="#">O60814</a>
<b>Cytogenetics:</b>	6p22.1
<b>Protein Pathways:</b>	Systemic lupus erythematosus
<b>MW:</b>	13.9 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 encodes a replication-dependent histone that is a member of the histone H2B family. The protein encoded is an antimicrobial protein with antibacterial and antifungal activity. Two transcripts that encode the same protein have been identified for this gene, which is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq, Aug 2015]