

Product datasheet for **RC200117L4V**

Histone H2A.J (H2AFJ) (NM_177925) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Histone H2A.J (H2AFJ) (NM_177925) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Histone H2A.J
Synonyms:	H2AFJ
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177925
ORF Size:	387 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200117).
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. More info
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:	NM_177925.1
RefSeq Size:	3699 bp
RefSeq ORF:	390 bp
Locus ID:	55766
UniProt ID:	Q9BTM1
Cytogenetics:	12p12.3
Protein Pathways:	Systemic lupus erythematosus
MW:	14 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. 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 is located on chromosome 12 and encodes a replication-independent histone that is a variant H2A histone. The protein is divergent at the C-terminus compared to the consensus H2A histone family member. This gene also encodes an antimicrobial peptide with antibacterial and antifungal activity.[provided by RefSeq, Oct 2015]