

## **Product datasheet for RC218713L4**

#### OriGene Technologies, Inc.

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### H2AFV (H2AZ2) (NM\_201517) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** H2AFV (H2AZ2) (NM\_201517) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: H2AZ2

Synonyms: H2A.Z-2; H2AFV; H2AV

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RC218713).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_201517

ORF Size: 270 bp





#### H2AFV (H2AZ2) (NM\_201517) Human Tagged Lenti ORF Clone - RC218713L4

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 201517.2</u>, <u>NP 958925.1</u>

 RefSeq Size:
 1315 bp

 RefSeq ORF:
 273 bp

 Locus ID:
 94239

 UniProt ID:
 Q71UI9

**Protein Families:** Druggable Genome

**Protein Pathways:** Systemic lupus erythematosus

7p13

**MW:** 9.4 kDa

Cytogenetics:

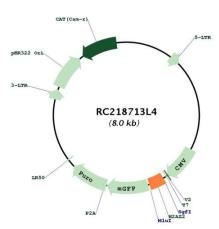
**Gene Summary:** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

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 encodes a replication-independent histone that is a member of the histone H2A family. Several transcript variants encoding different isoforms, have been

identified for this gene. [provided by RefSeq, Oct 2015]



# **Product images:**



Circular map for RC218713L4