

Product datasheet for RC210691L4V

OriGene Technologies, Inc.

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H2A.Z (H2AFZ) (NM_002106) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: H2A.Z (H2AFZ) (NM_002106) Human Tagged ORF Clone Lentiviral Particle

Symbol: H2A.Z

Synonyms: H2A.z; H2A.Z-1; H2A/z; H2AFZ; H2AZ

Mammalian Cell

Selection:

Puromycin

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

Tag: mGFP

ACCN: NM_002106

ORF Size: 384 bp

ORF Nucleotide

OTI Disclaimer:

The ORF insert of this clone is exactly the same as(RC210691).

Sequence:

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.

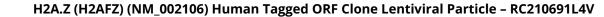
RefSeg: NM 002106.3

RefSeq Size: 951 bp
RefSeq ORF: 387 bp
Locus ID: 3015
UniProt ID: P0C0S5
Cytogenetics: 4q23

Domains: H2A, histone

Protein Families: Druggable Genome







Protein Pathways: Systemic lupus erythematosus

MW: 13.6 kDa

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 member of the histone H2A family that is distinct from other members of the family. Studies in mice have shown that this particular histone is required for embryonic development and indicate that lack of functional

histone H2A leads to embryonic lethality. [provided by RefSeq, Jul 2008]