

Recombinant Mouse H2az1 Protein, Myc/DDK-tagged

Cat. No. H2az1-3348M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length H2A histone family, member Z (H2afz), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Alternative splicing results in multiple transcript variants.
Molecular Mass	13.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	H2az1 H2A.Z variant histone 1 [<i>Mus musculus</i> (house mouse)]
Official Symbol	H2az1
Synonyms	H2az1; H2A.Z variant histone 1; H2A.; H2af; H2A.Z; H2afz; H2A.Z1; H2a.z-1; histone H2A.Z; H2A histone family, member Z
Gene ID	51788
mRNA Refseq	NM_016750
Protein Refseq	NP_058030
UniProt ID	P0C0S6

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