

Recombinant Human H2AZ1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2AZ1-3966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	H2AFZ MS Standard C13 and N15-labeled recombinant protein (NP_002097) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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.
Molecular Mass	13.6 kDa
AA Sequence	MAGGKAGKDSGKAKTKAVSRSQRAGLQFPVGRIHRHLKSRTTSHGRVGATAAVYS AAILEYLTAEVLELAGNASKDLKVKRITPRHLQLAIRGDEELDSLKATIAGGGVIPHIHK SLIGKKGGQKQTVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

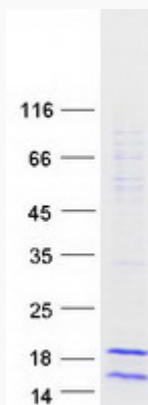
GENE INFORMATION

Gene Name	H2AZ1 H2A.Z variant histone 1 [Homo sapiens (human)]
Official Symbol	H2AZ1
Synonyms	H2AFZ; H2A histone family, member Z; H2AZ; histone H2A.Z; H2A.Z; H2AZ histone; H2A.z; H2A/z; MGC117173;
Gene ID	3015
mRNA Refseq	NM_002106
Protein Refseq	NP_002097
MIM	142763
UniProt ID	P0C0S5

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SDS-PAGE

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