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# 32-3929: H2AFZ Recombinant Protein

**Alternative Name :** H2A Histone Family,Member Z,H2AZ,H2A/z,H2A.Z-1,H2A.z, H2AZ Histone,Histone H2A.Z.

## Description

Source : Escherichia Coli. H2AFZ Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 151 amino acids (1-128 a.a) and having a molecular mass of 15.9kDa.H2AFZ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Histone H2A.Z (H2AFZ) belongs to the histone H2A family. Histones are basic nuclear proteins which 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). H2AFZ is implicated in the formation of constitutive heterochromatin and vital for chromosome segregation during cell division. Moreover, variant Histone H2A, which takes the place of conventional H2A in a subset of nucleosomes. Studies in mice have demonstrated that this particular histone is essential for embryonic development and show that lack of functional histone H2A leads to embryonic lethality.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | "Greater than 85% as determined by SDS-PAGE." |
| **Content :** | H2AFZ protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MGSMAGGKAG KDSGKAKTKA VSRSQRAGLQ FPVGRIHRHL KSRTTSHGRV GATAAVYSAA ILEYLTAEVL ELAGNASKDL KVKRITPRHL QLAIRGDEEL DSLIKATIAG GGVIPHIHKS LIGKKGQQKT V |

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