

**H2AFZ, 1-128aa Human, His tag, E.coli**

**Cat.NO.: TP02388**

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3th Edition

**Synonyms:**Histone H2A.Z, H2A.z, H2A/z, H2AZ

**Description:**Histone H2A.Z, also known as H2AFZ, is a member of the histone H2A family. 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). H2AFZ may be involved in the formation of constitutive heterochromatin and may be required for chromosome segregation during cell division. Also, H2AFZ is a variant Histone H2A which replaces conventional H2A in a subset of nucleosomes. Recombinant human H2AFZ protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**15.9 kDa (151aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMAGGKAGKDSGKAKTKAVSRSQRAGLQFPVGRHRHLKSRTTSHGRVGAT  
AAVYSAAILEYLTAEVLELAGNASKDLKVKRITPRHLQLAIRGDEELDSLKATIAGGGVIPHIHKSLIGKKGQKTV

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.