Recombinant human H2AFZ protein

Catalog Number: ATGP2612

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-128aa

UniProt No.
P0C0S5

NCBI Accession No.
NP_002097

Alternative Names
Histone H2A.Z, H2A.z, H2A/z, H2AZ

PRODUCT SPECIFICATION

Molecular Weight
15.9 kDa (151aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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,

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fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

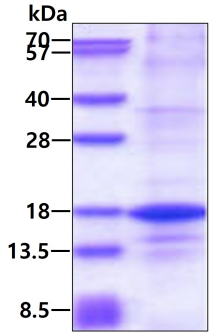
<MGSSHHHHHH SSGLVPRGSH MGS>MAGGKAG KDSGKAKTKA VSRSQRAGLQ FPVGRIHRHL KSRTTSHGRV GATAAVYSAA ILEYLTAEVL ELAGNASKDL KVKRITPRHL QLAIRGDEEL DSLIKATIAG GGVIPHIHKS LIGKKGQQKT V

General References

Rupp R A., et al. (2005) Cell. 123: 1178-1179.
Martin C., et al. (2005) Mol Cell Biol. 6:838-849.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.