Histone H2AZ.1, Recombinant Human

Catalog No	15-0305	**Species**	Human
Lot No	15259001	**Source**	*E. coli*
Pack Size	100 µg	**Epitope Tag**	None
Concentration	N/A	**MW**	14 kDa

DESCRIPTION

Recombinant human histone H2AZ.1 (H2A.Z; H2AFZ; P0C0S5) expressed in *E. coli* and purified by FPLC. Histone variants H2AZ.1 and H2AZ.2 (H2A.V; H2AF.V; Q71UI9) differ by three amino acids and are incorporated into a subset of nucleosomes in place of canonical histone H2A. H2AZ is implicated in diverse functions ranging from transcriptional regulation, chromosome transmission and DNA damage repair. H2AZ has a dedicated deposition machinery (the SWR-C ATPase) and is acetylated by the KAT5/TIP60 complex.

TECHNICAL INFORMATION

Storage	Stable for six months at -80°C from date of receipt. For best results, aliquot and avoid freeze/thaws.
Formulation	100 µg of lyophilized powder.

APPLICATION NOTES

Recombinant histone H2AZ.1 is suitable for enzyme assays and nucleosome reconstitution. Reconstitute with distilled water or suitable buffer prior to usage.

VALIDATION DATA

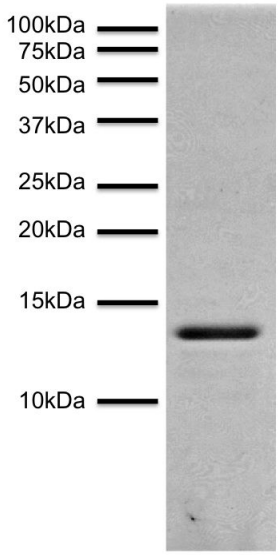

FIGURE 1 **Protein gel data.** Histone H2AZ.1 (1 µg) was run on a PAGE gel and stained with Coomassie blue. The migration and molecular weight of the protein standards are indicated.