OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR51432PU-N

Histone H2A.Z (1-128, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Histone H2A.Z (1-128, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAGGKAG KDSGKAKTKA VSRSQRAGLQ FPVGRIHRHL KSRTTSHGRV GATAAVYSAA ILEYLTAEVL ELAGNASKDL KVKRITPRHL QLAIRGDEEL DSLIKATIAG GGVIPHIHKS LIGKKGQQKT V
Tag:	His-tag
Predicted MW:	15.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human H2AFZ protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002097
Locus ID:	3015
UniProt ID:	P0C0S5
Cytogenetics:	4q23
Synonyms:	H2A.z; H2A.Z-1; H2A/z; H2AFZ; H2AZ

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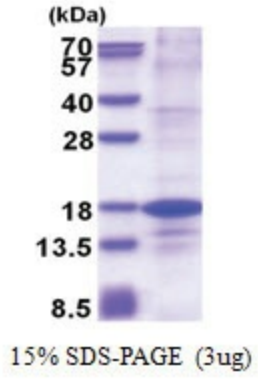
Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Systemic lupus erythematosus

Product images:



15% SDS-PAGE (3ug)