

Recombinant Human HIST1H2AD protein, His & GST-tagged

Cat. No. HIST1H2AD-1518H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H2AD aa. (Ser2~Lys130 (Accession # P20671)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser2~Lys130
Description	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.4

GENE INFORMATION

Gene Name	HIST1H2AD histone cluster 1 H2A family member d [Homo sapiens (human)]
Official Symbol	HIST1H2AD
Synonyms	HIST1H2AD; histone cluster 1 H2A family member d; H2A.3; H2A/g; H2AFG; histone H2A type 1-D; H2A histone family, member G; histone 1, H2ad; histone H2A.3; histone H2A/g; histone H2AD; histone cluster 1, H2ad
Gene ID	3013
mRNA Refseq	NM_021065.3

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Protein Refseq NP_066409.1

UniProt ID P20671

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