

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	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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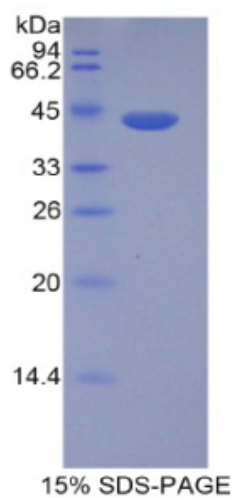
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Protein Refseq NP_066409.1

UniProt ID P20671

SDS-PAGE



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