Recombinant Human HIST1H2AJ protein, His & GST-tagged

Cat. No. HIST1H2AJ-1519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H2AJ aa. (Met1~Lys128 (Accession # Q99878)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys128
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order 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 but instead contain a palindromic termination element. This gene is found in the small 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)

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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	HIST1H2AJ histone cluster 1 H2A family member j [Homo sapiens (human)]
Official Symbol	HIST1H2AJ
Synonyms	HIST1H2AJ; histone cluster 1 H2A family member j; H2A/E; H2AFE; dJ160A22.4; histone cluster 1, H2aj; H2A histone family, member E; histone 1, H2aj
Gene ID	8331
mRNA Refseq	NM_021066.2

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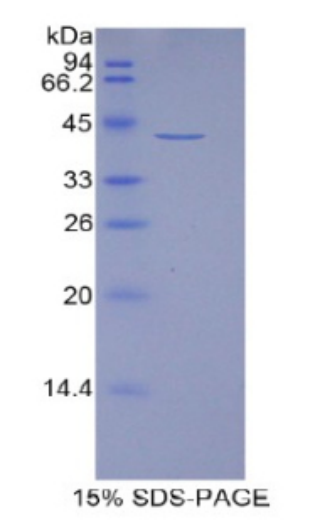
Protein Refseq	NP_066544.1
UniProt ID	Q99878
SDS-PAGE	 15% SDS-PAGE

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