

Recombinant Human HIST3H2A protein, His & GST-tagged

Cat. No. HIST3H2A-1560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST3H2A aa. (Met1~Lys130 (Accession # Q7L7L0)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys130
Description	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 is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene contain a palindromic termination element.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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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	9.5

GENE INFORMATION

Gene Name	HIST3H2A histone cluster 3 H2A [Homo sapiens (human)]
Official Symbol	HIST3H2A
Synonyms	HIST3H2A; histone cluster 3 H2A; histone H2A type 3; histone 3, H2a; histone cluster 3, H2a
Gene ID	92815
mRNA Refseq	NM_033445.2
Protein Refseq	NP_254280.1

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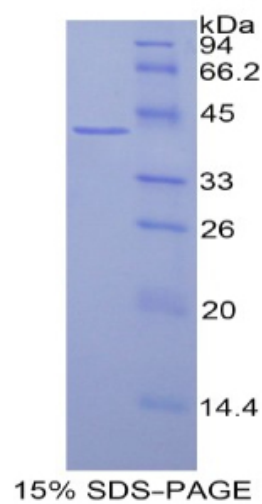
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UniProt ID

Q7L7L0

SDS-PAGE

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