

## Recombinant Human HIST1H2AA Protein, HIS-tagged

**Cat. No.** HIST1H2AA-115H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HIST1H2AA fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
<b>Molecular Mass</b>	14.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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**GENE INFORMATION**

<b>Gene Name</b>	HIST1H2AA histone cluster 1, H2aa [ Homo sapiens ]
<b>Official Symbol</b>	HIST1H2AA
<b>Synonyms</b>	HIST1H2AA; histone cluster 1, H2aa; H2A histone family, member R , histone 1, H2aa; histone H2A type 1-A; bA317E16.2; H2AFR; histone H2A/r; histone 1, H2aa; H2A histone family, member R; H2AA;
<b>Gene ID</b>	221613
<b>mRNA Refseq</b>	NM_170745
<b>Protein Refseq</b>	NP_734466
<b>MIM</b>	613499
<b>UniProt ID</b>	Q96QV6

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