

## Recombinant Human HIST1H2AA Protein, GST-tagged

**Cat. No.** HIST1H2AA-4776H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HIST1H2AA full-length ORF (AAH62211.1, 1 a.a. - 131 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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 member of the histone H2A family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq]
<b>Molecular Mass</b>	40.81 kDa
<b>AA Sequence</b>	MSGRGKQGGKARAKSKSRSSRAGLQFPVGRHRLLRKGNYAERIGAGAPVYLA AVL EYLTAEILELAGNASRDNKKTRIIPRHLQLAIRNDEELNKLGGVTIAQGGVLPNIQAVL LPKKTESHHAQSK
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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**Protein Array**

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**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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