

# Recombinant Human HIST1H2BA Protein, GST-tagged

**Cat. No.** HIST1H2BA-4785H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HIST1H2BA full-length ORF (BAG34991.1, 1 a.a. - 127 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 testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq]
<b>Molecular Mass</b>	40.37 kDa
<b>AA Sequence</b>	MPEVSSKGATISKKGFKKAVVKTQKKEGKKRKRTRKESYSIYKVLKQVHPDTGISS KAMSIMNSFVTDIFERIASEASRLAHYSKRSTISSREIQTAVRLLLLPGELAKHAVSEG KAVTKYTSSK
<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>	HIST1H2BA histone cluster 1, H2ba [ Homo sapiens ]
<b>Official Symbol</b>	HIST1H2BA
<b>Synonyms</b>	HIST1H2BA; histone cluster 1, H2ba; H2B histone family, member U, (testis specific) , histone 1, H2ba; histone H2B type 1-A; bA317E16.3; H2BFU; STBP; TSH2B; histone 1, H2ba; histone H2B, testis; testis-specific histone H2B; H2B histone family, member U, (testis-specific);
<b>Gene ID</b>	255626
<b>mRNA Refseq</b>	NM_170610
<b>Protein Refseq</b>	NP_733759
<b>MIM</b>	609904
<b>UniProt ID</b>	Q96A08

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