Full-Length

HIST1H2BA (Human) Recombinant Protein (P01)

Catalog # H00255626-P01 Size 50 ug

Specification

Product Description	Human HIST1H2BA full-length ORF (BAG34991.1, 1 a.a. - 127 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPEVSSKGATISKKGFKKAVVKTQKKEGKKRKRTRKESYSIYIYKVLKQVHPDTGISSKAMSIMNSF VTDIFERIASEASRLAHYSKRSTISSREIQTAVRLLLPGELAKHAVSEGTKAVTKYTSSK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.37
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HIST1H2BA

Entrez GeneID	255626
GeneBank Accession#	AK312055.1
Protein Accession#	BAG34991.1
Gene Name	HIST1H2BA
Gene Alias	H2BFU, STBP, TSH2B, bA317E16.3
Gene Description	histone cluster 1, H2ba
Omim ID	609904
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped aro und a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H 4). 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 gen e contain a palindromic termination element. [provided by RefSeq
Other Designations	H2B histone family, member U, (testis-specific)|histone 1, H2ba|testis-specific histone H2B

Pathway

- Systemic lupus erythematosus