

Recombinant Full Length Human HIST1H2BA Protein, GST-tagged

Cat. No. HIST1H2BA-3575HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Human HIST1H2BA full-length ORF (BAG34991.1, 1 a.a. - 127 a.a.) recombinant protein with GST-tag at N-terminal.

Species

Human

Source

In Vitro Cell Free System

ProteinLength

127 amino acids

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 testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq]

Molecular Mass

40.37 kDa

AA Sequence

MPEVSSKGATISKKGFKKAVVKTQKKEGKKRKRTRKESYSIYIYKVLKQVHPDTGISS
KAMSIMNSFVTDIFERIASEASRLAHYSKRSTISSREIQTAVRLLLPGELAKHAVSEG
KAVTKYTSSK

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HIST1H2BA histone cluster 1, H2ba [Homo sapiens]
Official Symbol	HIST1H2BA
Synonyms	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);
Gene ID	255626
mRNA Refseq	NM_170610
Protein Refseq	NP_733759
MIM	609904
UniProt ID	Q96A08

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