

# Recombinant Full Length Human HIST1H2BA Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <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>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 127 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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>      | MPEVSSKGATISKKGFKKAVVKTQKKEGKKRKRTRKESYSIYIKVLKQVHPDTGISS<br>KAMSIMNSFVTDIFERIASEASRLAHYSKRSTISSREIQTAVRLLLPGELAKHAVSEG<br>T<br>KAVTKYTSSK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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.                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                           |
| <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)<br>, histone 1, H2ba; histone H2B type 1-A; bA317E16.3; H2BFU; STBP; TSH2B;<br>histone 1, H2ba; histone H2B, testis; testis-specific histone H2B; H2B histone family,<br>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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