

# Recombinant Human HIST1H2AB Protein, GST-tagged

**Cat. No.** HIST1H2AB-4777H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Human HIST1H2AB full-length ORF ( AA166650.1, 1 a.a. - 130 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. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq |
| <b>Molecular Mass</b>   | 14.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYSERVGAGAPVYLAA<br>VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLGRVTIAQGGVLPNIQA<br>VLLPKKTESHKAKGK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | 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>        | HIST1H2AB histone cluster 1 H2A family member b [ Homo sapiens (human) ]                                                                                                      |
| <b>Official Symbol</b>  | HIST1H2AB                                                                                                                                                                     |
| <b>Synonyms</b>         | HIST1H2AB; histone cluster 1 H2A family member b; H2A/m; H2AFM; histone H2A type 1-B/E; H2A histone family, member M; histone 1, H2ab; histone H2A/m; histone cluster 1, H2ab |
| <b>Gene ID</b>          | 8335                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_003513                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_003504                                                                                                                                                                     |
| <b>MIM</b>              | 602795                                                                                                                                                                        |
| <b>UniProt ID</b>       | P04908                                                                                                                                                                        |

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