

## Recombinant Human HIST1H2AJ Protein, MYC/DDK-tagged

Cat. No. HIST1H2AJ-236H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Human HIST1H2AJ fused with MYC/DDK tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | <p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.</p> |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 13.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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**GENE INFORMATION**

|                        |                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HIST1H2AJ histone cluster 1, H2aj [ Homo sapiens ]                                                                                                                  |
| <b>Official Symbol</b> | HIST1H2AJ                                                                                                                                                           |
| <b>Synonyms</b>        | HIST1H2AJ; histone cluster 1, H2aj; H2A histone family, member E , H2AFE, histone 1, H2aj; H2A/E; histone 1, H2aj; H2A histone family, member E; H2AFE; dJ160A22.4; |
| <b>Gene ID</b>         | 8331                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_021066                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_066544                                                                                                                                                           |
| <b>MIM</b>             | 602791                                                                                                                                                              |
| <b>UniProt ID</b>      | Q99878                                                                                                                                                              |

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