

## Recombinant Human H2AFJ Protein, GST-tagged

**Cat. No.** H2AFJ-4535H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human H2AFJ full-length ORF (BAA91894.1, 1 a.a. - 151 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. 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 located on chromosome 12 and encodes a variant H2A histone. The protein is divergent at the C-terminus compared to the consensus H2A histone family member. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 42.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSGRGKQGGKVRAKAKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAA<br>VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLKGVTIAQGGVLPNIQA<br>VLLPVCEHSGPSSGKIPSDRAELGAGSVCGHIFQKVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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. |

## GENE INFORMATION

|                        |                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | H2AFJ H2A histone family, member J [ Homo sapiens ]                                                                 |
| <b>Official Symbol</b> | H2AFJ                                                                                                               |
| <b>Synonyms</b>        | H2A histone family, member J; 14456; Ensembl:ENSG00000246705; MGC921, FLJ10903, FLJ52230; histone H2A.J;H2a/j; H2AJ |
| <b>Gene ID</b>         | 55766                                                                                                               |
| <b>mRNA Refseq</b>     | NM_177925                                                                                                           |
| <b>Protein Refseq</b>  | NP_808760                                                                                                           |
| <b>UniProt ID</b>      | Q9BTM1                                                                                                              |

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