

## Product datasheet for **TP760013**

### Histone H2A.J (H2AFJ) (NM\_177925) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human H2A histone family, member J (H2AFJ), transcript variant 1, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding human full-length H2AFJ  |
| Tag:                                  | N-His  |
| Predicted MW:                         | 14 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 10% glycerol  |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.     |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.            |
| RefSeq:                               | <a href="#">NP_808760</a>  |
| Locus ID:                             | 55766  |
| UniProt ID:                           | <a href="#">Q9BTM1</a> , <a href="#">A0A024RAS2</a>  |
| RefSeq Size:                          | 3699   |
| Cytogenetics:                         | 12p12.3  |
| RefSeq ORF:                           | 387  |
| Synonyms:                             | H2AFJ  |



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**Summary:**

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 replication-independent histone that is a variant H2A histone. The protein is divergent at the C-terminus compared to the consensus H2A histone family member. This gene also encodes an antimicrobial peptide with antibacterial and antifungal activity.[provided by RefSeq, Oct 2015]

**Protein Pathways:**

Systemic lupus erythematosus

**Product images:**