

## Recombinant Human H2AFY Protein, HIS-tagged

Cat. No. H2AFY-133H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human H2AFY, transcript variant 4, fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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 encodes a replication-independent histone that is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.</p>
<b>Form</b>	50mM Tris, 8M Urea, pH8.0.
<b>Molecular Mass</b>	39.3 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>	H2AFY H2A histone family, member Y [ Homo sapiens ]
<b>Official Symbol</b>	H2AFY
<b>Synonyms</b>	H2AFY; H2A histone family, member Y; core histone macro-H2A.1; macroH2A1.2; histone H2A.y; histone macroH2A1; histone macroH2A1.1; histone macroH2A1.2; medulloblastoma antigen MU-MB-50.205; H2A.y; H2A/y; H2AFJ; mH2A1; H2AF12M; MACROH2A1.1;
<b>Gene ID</b>	9555
<b>mRNA Refseq</b>	NM_001040158
<b>Protein Refseq</b>	NP_001035248
<b>MIM</b>	610054
<b>UniProt ID</b>	O75367

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