

# Recombinant Full Length Human H2AFY2 Protein, GST-tagged

**Cat. No.** H2AFY2-3405HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human H2AFY2 full-length ORF ( NP_061119.1, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	372 amino acids
<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 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 may participate in stable X chromosome inactivation. [provided by RefSeq, Oct 2015]
<b>Molecular Mass</b>	66.5 kDa
<b>AA Sequence</b>	MSGRSGKKKMSKLSRSARAGVIFPVGRLMRYLKKGTFKYRISVGAPVYMAAVIEYLA AEILELAGNAARDNKKARIAPRHILLAVANDEELNQLLKGVTIASGGVLPRIHPELLAK KRGTKGKSETILSPPEKRGRKATSGKKGGKSKAAKPRTSKKSKPKDSDKEGTSN

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STSEDGPGDGFILSSKSLVLGQKLSLTQSDISHIGSMRVEGIVHPTTAEIDLKEDIGK  
 ALEKAGGKEFLETVKELRKSQGPLEVAEAAVSQSSGLAAKFVIHCHIPQWGS DKCEE  
 QLEETIKNCLSA AEDKCLKSVAFPFPSPGRNCFPKQTAAQVTLKAISAHFDDSSASSL  
 KNVYFLLFDSESIGIYVQEMAKLDAK

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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>	H2AFY2 H2A histone family, member Y2 [ Homo sapiens ]
<b>Official Symbol</b>	H2AFY2
<b>Synonyms</b>	H2AFY2; H2A histone family, member Y2; core histone macro-H2A.2; macroH2A2; mH2A2; histone macroH2A2; core histone macroH2A2.2;
<b>Gene ID</b>	55506
<b>mRNA Refseq</b>	NM_018649
<b>Protein Refseq</b>	NP_061119

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<b>MIM</b>	616141
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<b>UniProt ID</b>	Q9P0M6
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