

Recombinant Human H2AFY2 Protein, GST-tagged

Cat. No. H2AFY2-4539H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human H2AFY2 full-length ORF (NP_061119.1, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<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 may participate in stable X chromosome inactivation. [provided by RefSeq, Oct 2015]</p>
Molecular Mass	66.5 kDa
AA Sequence	MSGRSGKKKMSKLSRSARAGVIFPVGRLMRYLKKGTFKYRISVGAPVYMAAVIEYLA AEILELAGNAARDNKKARIAPRHILLAVANDEELNQLLKGVTIASGGVLPRIHPELLAK KRGTKGKSETILSPPPEKRGRKATSGKKGGKSKAAKPRTSKKSKPKDSDKEGTSN STSEDGPGDGFTILSSKSLVLGQKLSLTQSDISHIGSMRVEGIVHPTTAEIDLKEDIGK

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ALEKAGGKEFLETVKELRKSQGPLEVAAVVSQSSGLAAKFVIHCHIPQWGS DKCEE
 QLEETIKNCLSA AEDKKLKSVAFPPFSPGRNCFPKQTAAQVTLKAISAHFDDSSASSL
 KNVYFLLFDSESIGIYVQEMAKLDAK

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

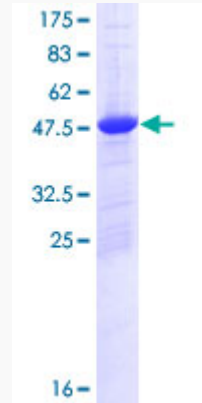
Gene Name	H2AFY2 H2A histone family, member Y2 [Homo sapiens]
Official Symbol	H2AFY2
Synonyms	H2AFY2; H2A histone family, member Y2; core histone macro-H2A.2; macroH2A2; mH2A2; histone macroH2A2; core histone macroH2A2.2;
Gene ID	55506
mRNA Refseq	NM_018649
Protein Refseq	NP_061119
UniProt ID	Q9P0M6

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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