

Recombinant Full Length Human H2AFY2 Protein, GST-tagged

Cat. No. H2AFY2-3405HF **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	In Vitro Cell Free System
ProteinLength	372 amino acids
Description	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]
Molecular Mass	66.5 kDa
AA Sequence	MSGRSGKKKMSKLSRSARAGVIFPVGRLMRYLKKGTFKYRISVGAPVYMAAVIEYLA AEILELAGNAARDNKKARIAPRHILLAVANDEELNQLLKGVTIASGGVLPRIHPELLAK KRGTKGKSETILSPPEKRGKATSGKKGGKKSKAAKPRTSKKSKPKDSDKEGTSN

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STSEDGPGDGFILSSKSLVLGQKLSLTQSDISHIGSMRVEGIVHPTTAEIDLKEDIGK
ALEKAGGKEFLETVKELRKSQGPLEVAEAAVSQSSGLAAKFVIHCHIPQWGSDKCEE
QLEETIKNCLSAEEDKKLKSVAFPPFSGRNCFPKQTAAQVTLKAISAHFDDSSASSL
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

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MIM	616141
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UniProt ID	Q9P0M6
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