

Recombinant Full Length Human H2AFY Protein, GST-tagged

Cat. No. H2AFY-3404HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human H2AFY full-length ORF (NP_613258.2, 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 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. [provided by RefSeq]
Molecular Mass	66 kDa
AA Sequence	MSSRGGKKKSTKTSRSAKAGVIFPVGRMLRYIKKGHPKYRIGVGAPVYMAAVLEYLT AEILELAGNAARDNKKGRVTPRHILLAVANDEELNQLLKGVTIASGGVLPNIHPELLAK KRGSKGKLEAIITPPPAKKAKSPSQKKPVSKKAGGKKGARKSKKKQGEVSKAASAD

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STTEGTPADGFTVLSTKSLFLGQKLNLIHSEISNLAGFEVEAIINPTNADIDLKDDLGN
LEKKGKKEFVEAVLELRKKNNGPLEVAGAAVSAGHGLPAKFVIHCNSPVWGADKCEE
LLEKTVKNCLALADDKKLKSIAPFSIGSGRNGFPGQTAAQLILKAISYFVSTMSSSIKT
VYFVLFDSESIGIYVQEMAKLDAN

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 H2AFY H2A histone family, member Y [Homo sapiens]

Official Symbol H2AFY

Synonyms 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;

Gene ID 9555

mRNA Refseq NM_001040158

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Protein Refseq	NP_001035248
MIM	610054
UniProt ID	O75367

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