

Recombinant Human H2AFY Protein, GST-tagged

Cat. No. H2AFY-4538H 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	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 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]</p>
Molecular Mass	66 kDa
AA Sequence	MSSRGGKKKSTKTSRSKAGVIFPVGRMLRYIKKGHPKYRIGVVGAPVYMAAVLEYLT AEILELAGNAARDNKKGRVTPRHILLAVANDEELNQLLKGVTIASGGVLPNIHPELLAK KRGSKGKLEAIITPPPAKAKSPSQKKPVSKKAGGKKGARKSKKKQGEVSKAASAD STTEGTPADGFTVLSTKSLFLGQKLNLIHSEISNLAGFEVEAIINPTNADIDLKDDLGN

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LEKKGKKEFVEAVLELRKKNNGPLEVAGAAVSAGHGLPAKFVIHCNSPVWGADKCEE
 LLEKTVKNCLALADDKCLKSIAFPSIGSGRNGFQKQTAAQLILKAISSYFVSTMSSSIKT
 VYFVLFDSSESIGIYVQEMAKLDAN

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
Protein Refseq	NP_001035248

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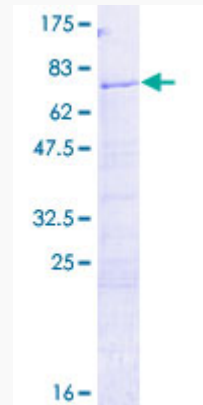
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MIM 610054

UniProt ID O75367

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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