

Recombinant Human H2AFY Protein, HIS-tagged

Cat. No. H2AFY-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human H2AFY, transcript variant 4, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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 participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	39.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
MIM	610054
UniProt ID	O75367

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