

Recombinant Human H2AFY protein, His & GST-tagged

Cat. No. H2AFY-1705H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human H2AFY aa. (Ile109~Asn369 (Accession # O75367)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile109~Asn369
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	Freeze-dried powder
Molecular Mass	39&57kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	8.8

GENE INFORMATION

Gene Name	H2AFY H2A histone family member Y [Homo sapiens (human)]
Official Symbol	H2AFY
Synonyms	H2AFY; H2A histone family member Y; H2A.y; H2A/y; mH2A1; H2AF12M; MACROH2A1.1; macroH2A1.2; core histone macro-H2A.1; histone H2A.y; histone macroH2A1; histone macroH2A1.1; histone macroH2A1.2; medulloblastoma antigen MU-MB-50.205
Gene ID	9555

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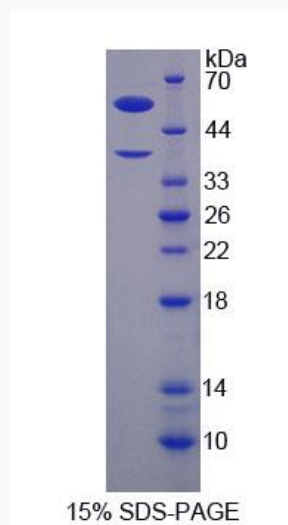
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mRNA Refseq NM_001040158.1

Protein Refseq NP_001035248.1

UniProt ID O75367

SDS-PAGE



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