

Recombinant Human H2AFX protein, His & GST-tagged

Cat. No. H2AFX-1513H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human H2AFX aa. (Ser2~Tyr143) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser2~Tyr143
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.
Form	Freeze-dried powder
Molecular Mass	45kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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.
Concentration	200µg/mL
Storage buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	9.4

GENE INFORMATION

Gene Name	H2AFX H2A histone family member X [Homo sapiens (human)]
Official Symbol	H2AFX
Synonyms	H2AFX; H2A histone family member X; H2AX; H2A.X; H2A/X; histone H2AX; H2AX histone; histone H2A.x
Gene ID	3014

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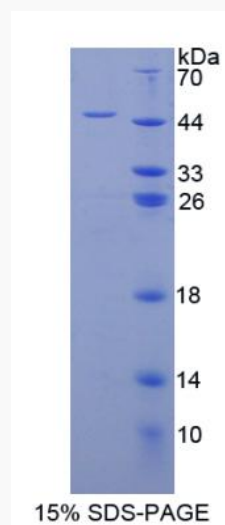
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mRNA Refseq NM_002105.2

Protein Refseq NP_002096.1

UniProt ID P16104

SDS-PAGE



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