

Recombinant Human H2AX Protein (Met1-Tyr143), N-His tagged

Cat. No. H2AX-3069H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human H2AX (Met1-Tyr143) protein fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-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.
Molecular Mass	17.45 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	H2AX H2A.X variant histone [Homo sapiens (human)]
Official Symbol	H2AX
Synonyms	H2AX; H2A.X variant histone; H2A.X; H2A/X; H2AFX; histone H2AX; H2A histone family member X; H2AX histone; histone H2A.x
Gene ID	3014
mRNA Refseq	NM_002105
Protein Refseq	NP_002096
MIM	601772
UniProt ID	P16104

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SDS-PAGE



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