Recombinant Mouse H2ax Protein, MYC/DDK-tagged

Cat. No. H2ax-1128M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse H2A histone family, member X (H2afx), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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.
Molecular Mass	15.1 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	H2ax H2A.X variant histone [Mus musculus (house mouse)]
Official Symbol	H2ax
Synonyms	H2ax; H2A.X variant histone; H2A.X; H2afx; AW228881; Hist5-2ax; gammaH2ax; histone H2AX; H2A histone family, member X; H2a/x; histone 5 protein 2ax; histone H2A.x
Gene ID	15270
mRNA Refseq	NM_010436
Protein Refseq	NP_034566
UniProt ID	P27661

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