Recombinant Human H2AB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2AB2-6252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	H2AFB2 MS Standard C13 and N15-labeled recombinant protein (NP_001017991) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. This gene is part of a region that is repeated three times on chromosome X, once in intron 22 of the F8 gene and twice closer to the Xq telomere. This record represents the middle copy.
Molecular Mass	12.7 kDa
AA Sequence	MPRRRRRRGSSGAGGRGRTCSRTVRAELSFSVSQVERSLREGHYAQRLSRTAPV YLAAVIEYLTAKVLELAGNEAQNSGERNITPLLLDMVVHNDRLLSTLFNTTTISQVAPG EDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	H2AB2 H2A.B variant histone 2 [Homo sapiens (human)]
Official Symbol	H2AB2
Synonyms	H2AB2; H2A.B variant histone 2; H2AB3; H2AFB2; H2A.Bbd; histone H2A-Bbd type 2/3; H2A Barr body deficient; H2A histone family member B2
Gene ID	474381
mRNA Refseq	NM_001017991
Protein Refseq	NP_001017991
MIM	301038
UniProt ID	P0C5Z0

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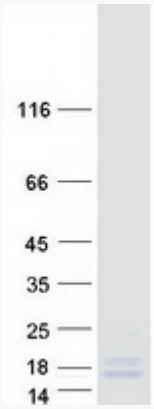
SDS-PAGE	

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