

Product datasheet for PH323551

Histone H2A Bbd (H2AFB2) (NM_001017991) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	H2AFB2 MS Standard C13 and N15-labeled recombinant protein (NP_001017991)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223551
Predicted MW:	12.7 kDa
Protein Sequence:	>RC223551 protein sequence Red =Cloning site Green =Tags(s) MPRRRRRRGSSGAGGRGRTCSRTVRAELSFVSQVERSLREGHYAQLSRTAPVYLAADVIEYLTAKVLEL AGNEAQNSGERNITPLLLDMVVHNDRLSTLFNTTISQVAPGED TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001017991
RefSeq Size:	594
RefSeq ORF:	345
Synonyms:	H2A.Bbd; H2AB3; H2AFB2
Locus ID:	474381
UniProt ID:	P0C5Z0
Cytogenetics:	Xq28



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Summary:

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. [provided by RefSeq, Oct 2015]

Protein Pathways:

Systemic lupus erythematosus

Product images:

Coomassie blue staining of purified H2AFB2 protein (Cat# [TP323551]). The protein was produced from HEK293T cells transfected with H2AFB2 cDNA clone (Cat# [RC223551]) using MegaTran 2.0 (Cat# [TT210002]).