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Product datasheet for TP323551

Histone H2A Bbd (H2AFB2) (NM_001017991) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human H2A histone family, member B2 (H2AFB2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223551 protein sequence Red=Cloning site Green=Tags(s) MPRRRRRRGSSGAGGRGRTCSRTVRAELSFSVSQVERSLREGHYAQRLSRTAPVYLAAVIEYLTAKVLEL AGNEAQNSGERNITPLLLDMVVHNDRLLSTLFNTTTISQVAPGED TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	12.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001017991
Locus ID:	474381
UniProt ID:	P0C5Z0
RefSeq Size:	594
Cytogenetics:	Xq28

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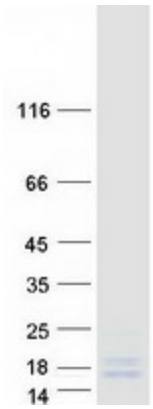
RefSeq ORF: 345

Synonyms: H2A.Bbd; H2AB3; H2AFB2

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]).