

## Product datasheet for **TP316020**

### Histone H2A Bbd (H2AFB1) (NM\_001017990) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human H2A histone family, member B1 (H2AFB1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216020 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MPRRRRRRGSSGAGGRGRTCSRTVRAELSFVSQVERSLREGHYAQLRSRTAPVYLAAVIEYLTAKVLEL AGNEAQNSGERNITPLLLDMVVHNDRLSTLFNTTISQVAPGED  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	<a href="#">NP_001017990</a>
Locus ID:	474382
UniProt ID:	<a href="#">P0C5Y9</a>
RefSeq Size:	517
Cytogenetics:	Xq28



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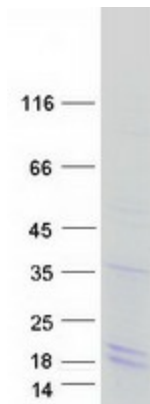
RefSeq ORF: 345

Synonyms: H2A.B; H2A.Bbd; H2AFB1

**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 most centromeric copy which is in intron 22 of the F8 gene. [provided by RefSeq, Oct 2015]

**Protein Pathways:** Systemic lupus erythematosus

### Product images:



Coomassie blue staining of purified H2AFB1 protein (Cat# TP316020). The protein was produced from HEK293T cells transfected with H2AFB1 cDNA clone (Cat# [RC216020]) using MegaTran 2.0 (Cat# [TT210002]).