

Product datasheet for PH315946

H2BC1 (NM_170610) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIST1H2BA MS Standard C13 and N15-labeled recombinant protein (NP_733759)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215946
Predicted MW:	14.2 kDa
Protein Sequence:	>RC215946 protein sequence Red=Cloning site Green=Tags(s) MPEVSSKGATISKKGFKKAVVKTKQKKEGKKRKRTRKESYSIYIYKVLKQVHPDTGISSKAMSIMNSFVTD IFERIASEASRLAHYSKRSTISSREIQTAVRLLLLPGELAKHAVSEGTKAVTKYTSSK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_733759
RefSeq Size:	437
RefSeq ORF:	381
Synonyms:	bA317E16.3; H2BFU; HIST1H2BA; hTSH2B; STBP; TH2B; TSH2B; TSH2B.1
Locus ID:	255626
UniProt ID:	Q96A08
Cytogenetics:	6p22.2



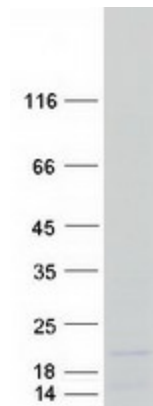
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Summary:

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 is intronless and encodes a replication-dependent histone that is a testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq, Aug 2015]

Protein Pathways:

Systemic lupus erythematosus

Product images:

Coomassie blue staining of purified HIST1H2BA protein (Cat# [TP315946]). The protein was produced from HEK293T cells transfected with HIST1H2BA cDNA clone (Cat# [RC215946]) using MegaTran 2.0 (Cat# [TT210002]).