

Recombinant Human H2BC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2BC1-5162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST1H2BA MS Standard C13 and N15-labeled recombinant protein (NP_733759) 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 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.
Molecular Mass	14.2 kDa
AA Sequence	MPEVSSKGATISKKGFKKAVVKTQKKEGKKRKTRKESYSIYIKVLKQVHPDTGISS KAMSIMNSFVTDIFERIASEASRLAHYSKRSTISSREIQTAVRLLLPGELAKHAVSEG T KAVTKYTSSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

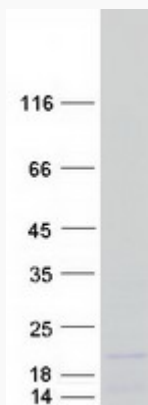
GENE INFORMATION

Gene Name	H2BC1 H2B clustered histone 1 [Homo sapiens (human)]
Official Symbol	H2BC1
Synonyms	HIST1H2BA; histone cluster 1, H2ba; H2B histone family, member U, (testis specific), histone 1, H2ba; histone H2B type 1-A; bA317E16.3; H2BFU; STBP; TSH2B; histone 1, H2ba; histone H2B, testis; testis-specific histone H2B; H2B histone family, member U, (testis-specific);
Gene ID	255626
mRNA Refseq	NM_170610
Protein Refseq	NP_733759
MIM	609904
UniProt ID	Q96A08

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SDS-PAGE

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