Recombinant Human H2BC4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2BC4-4244H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST1H2BC MS Standard C13 and N15-labeled recombinant protein (NP_003517) 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. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. The protein has antibacterial and antifungal antimicrobial activity. The main transcript variant of this gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. This transcript variant lacks a polyA tail but instead contains a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.
Molecular Mass	13.7 kDa
AA Sequence	MPEPAKSAPAPKKGSKKAVTKAQKKDGKKRKRSRKESYSVYVYKVLKQVHPDTGIS SKAMGIMNSFVNDIFERIAGEASRLAHYNKRSTITSREIQTAVRLLLPGELAKHAVSE GTKAVTKYTSSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	H2BC4 H2B clustered histone 4 [Homo sapiens (human)]
Official Symbol	H2BC4
Synonyms	H2BC4; H2B clustered histone 4; H2B.1; H2B/l; H2BC6; H2BC7; H2BC8; H2BFL; H2BC10; HIST1H2BC; dJ221C16.3; histone H2B type 1-C/E/F/G/I; H2B histone family, member L; histone 1, H2bc; histone H2B.1 A; histone H2B.l; histone cluster 1 H2B family member c; histone cluster 1, H2bc
Gene ID	8347
mRNA Refseq	NM_003526
Protein Refseq	NP_003517
MIM	602847
UniProt ID	P62807

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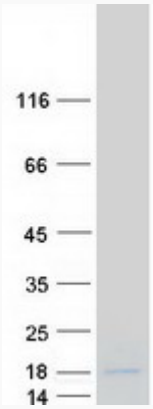
SDS-PAGE	

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