

Recombinant Human H2BU1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2BU1-4322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST3H2BB MS Standard C13 and N15-labeled recombinant protein (NP_778225) 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 member of the histone H2B family. Transcripts from this gene contain a palindromic termination element.
Molecular Mass	13.9 kDa
AA Sequence	MPDPSKSAPAPKKGSKKAVTKAQKKDGKKRKRGRKESYSIYVYKVLKQVHPDTGIS SKAMGIMNSFVNDIFERIASEASRLAHYNKRSTITSREVQTAVRLLLPGELAKHAVSE GTKAVTKYTSSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	H2BU1 H2B.U histone 1 [Homo sapiens (human)]
Official Symbol	H2BU1
Synonyms	H2BU1; H2B.U histone 1; H2Bb; HIST3H2BB; histone H2B type 3-B; H2B type 12; histone 3, H2bb; histone cluster 3 H2B family member b; histone cluster 3, H2bb
Gene ID	128312
mRNA Refseq	NM_175055
Protein Refseq	NP_778225
MIM	615046
UniProt ID	Q8N257