

Recombinant Human HIST1H2BK Protein, HIS-tagged

Cat. No. HIST1H2BK-130H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H2BK fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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. This gene encodes a replication-dependent histone that is a member of the histone H2B family. The protein encoded is an antimicrobial protein with antibacterial and antifungal activity. Two transcripts that encode the same protein have been identified for this gene, which is found in the histone microcluster on chromosome 6p21.33.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	13.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	HIST1H2BK histone cluster 1, H2bk [Homo sapiens]
Official Symbol	HIST1H2BK
Synonyms	HIST1H2BK; histone cluster 1, H2bk; H2B histone family, member T , H2BFT, histone 1, H2bk; histone H2B type 1-K; H2BFAiii; H2B K; histone 1, H2bk; histone family member; HIRA-interacting protein 1; H2B histone family, member T; H2B/S; H2BFT; MGC131989;
Gene ID	85236
mRNA Refseq	NM_080593
Protein Refseq	NP_542160
UniProt ID	O60814

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