

Recombinant Human HIST1H2BK, GST-tagged

Cat. No. HIST1H2BK-13795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H2BK protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-126a.a.
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 member of the histone H2B family. This gene is found in the histone microcluster on chromosome 6p21.33.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
Chromosome Location	6p22.1
Pathway	Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; Meiosis, organism-specific biosystem;
Function	DNA binding;