

Recombinant Human HIST2H2BE, His-tagged

Cat. No. HIST2H2BE-13801H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST2H2BE protein, fused to His-tag, was expressed in E.coli and purified by Ni-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, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.
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 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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Gene Name	HIST2H2BE histone cluster 2, H2be [Homo sapiens]
Official Symbol	HIST2H2BE
Synonyms	HIST2H2BE; histone cluster 2, H2be; histone H2B type 2-E; histone H2B.q; histone 2, H2be; histone H2B-GL105; H2B histone family, member Q; H2B; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105; MGC119802; MGC119804; MGC129733; MGC129734;
Gene ID	8349
mRNA Refseq	NM_003528
Protein Refseq	NP_003519
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;