

Recombinant Human HIST1H2BN, GST-tagged

Cat. No. HIST1H2BN-13796H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human HIST1H2BN 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 is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	HIST1H2BN histone cluster 1, H2bn [Homo sapiens]
Official Symbol	HIST1H2BN
Synonyms	histone cluster 1, H2bn; 4749; Ensembl:ENSG00000233822; MGC9388, MGC125414, MGC125415, MGC125416; histone H2B type 1-N; histone H2B.d; histone 1, H2bn; H2B histone family, member D; H2B/d; H2BFD
Gene ID	8341
mRNA Refseq	NM_003520.3
Protein Refseq	NP_003511.1
MIM	602801
UniProt ID	Q99877
Chromosome Location	6p22.1
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; 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;
Function	DNA binding; protein heterodimerization activity;

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