

Recombinant Human HIST1H3B Protein, HIS-tagged

Cat. No. HIST1H3B-126H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H3B 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. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	15.2 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	HIST1H3B histone cluster 1, H3b [Homo sapiens]
Official Symbol	HIST1H3B
Synonyms	H3/I; H3FL
Gene ID	8358
mRNA Refseq	NM_003537.3
Protein Refseq	NP_003528.1
MIM	602819
UniProt ID	P68431

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