

# Recombinant Full Length Human HIST1H2BM Protein, GST-tagged

**Cat. No.** HIST1H2BM-3584HF    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Human HIST1H2BM full-length ORF (AAH66244.1, 1 a.a. - 126 a.a.) recombinant protein with GST-tag at N-terminal.

### Species

Human

### Source

In Vitro Cell Free System

### ProteinLength

126 amino acids

### 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. [provided by RefSeq]

### Molecular Mass

40.26 kDa

### AA Sequence

MPEPVKSAPVPKKGSKKAINKAQKKDGGKRRKRSRKESYSVYVYKVLKQVHPDTGIS  
SKAMGIMNSFVNDIFERIAGEASRLAHYNKRSTITSREIQTAVRLLLLPGELAKHAVSE  
GTKAVTKYTSSK

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	HIST1H2BM histone cluster 1 H2B family member m [ Homo sapiens (human) ]
<b>Official Symbol</b>	HIST1H2BM
<b>Synonyms</b>	HIST1H2BM; histone cluster 1 H2B family member m; H2B/e; H2BFE; dJ160A22.3; histone H2B type 1-M; H2B histone family, member E; histone 1, H2bm; histone H2B.e; histone cluster 1, H2bm
<b>Gene ID</b>	8342
<b>mRNA Refseq</b>	NM_003521
<b>Protein Refseq</b>	NP_003512
<b>MIM</b>	602802
<b>UniProt ID</b>	Q99879

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