

# Recombinant Human HIST1H2BC Protein (2-125 aa), GST-tagged

**Cat. No.** HIST1H2BC-1184H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human HIST1H2BC Protein (2-125 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-125 aa
<b>Description</b>	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a tplate. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome rodeling.Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium, and to the bactericidal activity of amniotic fluid.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	40.6 kDa
<b>AA Sequence</b>	PEPAKSAPAPKKGSKKAVTKAQKKDGGKRRKRSRKESYSVYVYKVLKQVHPDTGISS

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KAMGIMNSFVNDIFERIAGEASRLAHYNKRSTITSREIQTAVRLLLPGELAKHAVSEGT  
KAVTKYTSS

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** HIST1H2BC histone cluster 1 H2B family member c [ Homo sapiens (human) ]

**Official Symbol** HIST1H2BC

**Synonyms** H2B.1; H2B/l; H2BFL; dJ221C16.3;

**Gene ID** 8347

**mRNA Refseq** NM\_003526

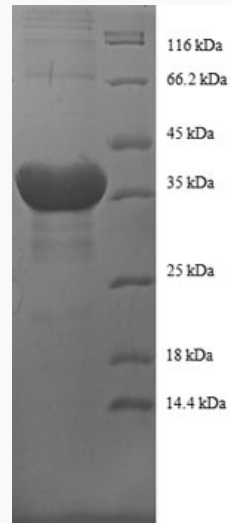
**Protein Refseq** NP\_003517

**UniProt ID** P62807

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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