

## Recombinant Human HIST1H1C, GST-tagged

Cat. No. HIST1H1C-210H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HIST1H1C full-length protein ( NP_005310.1, 1 a.a. - 213 a.a.) was expressed with a GST tag at the N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	Histones are basic nuclear proteins responsible for 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 H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	47.8 kDa
<b>AA Sequence</b>	MSETAPAAPAAAPPAEKAPVKKKAACKAGGTPRKASGPPVSELITKAVAASKERSG VSLAALKKALAAAGYDVEK NNSRIKLGLKSLVSKGTLVQTKGTGASGSFKLNKKAAS GEAKPKVKKAGGTPKPKPVGAACKPKKAAGGATPKKS AKKTPKKAKKPAAATVTK KVAKSPKKAKVAKPKKAAKSAAKAVKPKAAKPKVVKPKKAAPKKK

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**Stability** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [HIST1H1C histone cluster 1, H1c \[ Homo sapiens \]](#)

**Official Symbol** HIST1H1C

**Synonyms** HIST1H1C; histone cluster 1, H1c; H1 histone family, member 2 , H1F2, histone 1, H1c; histone H1.2; H1.2; H1c; H1s 1; histone H1d; histone 1, H1c; H1 histone family, member 2; H1C; H1F2; MGC3992;

**Gene ID** [3006](#)

**mRNA Refseq** [NM\\_005319](#)

**Protein Refseq** [NP\\_005310](#)

**MIM** [142710](#)

**UniProt ID** P16403

**Chromosome Location** 6p21.3

**Pathway** Activation of DNA fragmentation factor, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem;

**Function** DNA binding;

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