

Recombinant Human HIST1H1C, GST-tagged

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

SPECIFICATION

Product Overview	Human HIST1H1C full-length protein (NP_005310.1, 1 a.a. - 213 a.a.) was expressed with a GST tag at the N-terminal.
Species	Human
Source	Wheat Germ
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	47.8 kDa
AA Sequence	MSETAPAAPAAAPPAEKAPVKKKAAKKAGGTTPRKASGPPVSELITKAVAASKERSG VSLAALKKALAAAGYDVEK NNSRIKLGLKSLVSKGTLVQTKGTGASGSFKLNKKAAS GEAKPKVKKAGGTPKPKPVGAACKPKKAAGGATPKKS AKKTPKKAKKPAAATVTK KVAKSPKKAKVAKPKKAAKSAKAVKPKAAKPKVVKPKKAAPKKK

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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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