

Recombinant Human HIST1H2AC, GST-tagged

Cat. No. HIST1H2AC-13794H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H2AC protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-130a.a.
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 H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	HIST1H2AC histone cluster 1, H2ac [Homo sapiens]
Official Symbol	HIST1H2AC
Synonyms	HIST1H2AC; histone cluster 1, H2ac; H2A histone family, member L , H2AFL, histone 1, H2ac; histone H2A type 1-C; histone H2AC; histone H2A/I; histone 1, H2ac; H2A histone family, member L; H2A/I; H2AFL; dJ221C16.4; MGC99519;
Gene ID	8334
mRNA Refseq	NM_003512
Protein Refseq	NP_003503
MIM	602794
UniProt ID	Q93077
Chromosome Location	6p22.1
Pathway	Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; Meiosis, organism-specific biosystem;
Function	DNA binding;

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