

## Recombinant Human HIST1H1T, GST-tagged

**Cat. No.** HIST1H1T-13793H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HIST1H1T protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-206a.a.
<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. This gene is found in the large histone gene cluster on chromosome 6.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	HIST1H1T histone cluster 1, H1t [ Homo sapiens ]
<b>Official Symbol</b>	HIST1H1T
<b>Synonyms</b>	HIST1H1T; histone cluster 1, H1t; H1 histone family, member T (testis specific) , H1FT, histone 1, H1t; histone H1t; H1t; histone 1, H1t; testicular H1 histone; H1 histone family, member T (testis-specific); H1FT; dJ221C16.2; MGC163222;
<b>Gene ID</b>	3010
<b>mRNA Refseq</b>	NM_005323
<b>Protein Refseq</b>	NP_005314
<b>MIM</b>	142712
<b>UniProt ID</b>	P22492
<b>Chromosome Location</b>	6p22.1
<b>Function</b>	DNA binding;

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