

Recombinant Human HIST1H1T, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human HIST1H1T protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-206a.a.
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. 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	HIST1H1T histone cluster 1, H1t [Homo sapiens]
Official Symbol	HIST1H1T
Synonyms	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;
Gene ID	3010
mRNA Refseq	NM_005323
Protein Refseq	NP_005314
MIM	142712
UniProt ID	P22492
Chromosome Location	6p22.1
Function	DNA binding;

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