

Recombinant Human HIST1H1T protein, His-tagged

Cat. No. HIST1H1T-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H1T(2-207 aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-207 a.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 replication-dependent histone that is 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.
Form	Tris-based buffer, 50% glycerol
AA Sequence	SETVPAASA SAGVAAMEKL PTKKRGRKPA GLISASRKVP NLSVSKLITE ALSVSQERVG MSLVALKKAL AAAGYDVEKN NSRIKLSLKS LVNKGILVQT RGTGASGSFK LSKKVIPKST RSKAKKSVSA KTKKLVLSD SKSPKTAKTN KRAKKPRATT PKTVRSGRKA KGAKGKQQQK SPVKARASKS KLTQHHEVNV

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RKATSKK

Purity >90% (SDS-PAGE)

Storage Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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

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Function

DNA binding;

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