

Recombinant Full Length Human HIST1H1A Protein, GST-tagged

Cat. No. HIST1H1A-3564HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST1H1A full-length ORF (NP_005316.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	215 amino acids
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. [provided by RefSeq]
Molecular Mass	48.2 kDa
AA Sequence	MSETVPPAPAASAAPEKPLAGKKAKKPAKAAAASKKKPAGPSVSELIVQAASSSKER GGVSLAALKKALAAAGYDVEKNNSRIKLGIKSLVSKGTLVQTKGTGASGSFKLNKKA SSVETKPGASKVATKTKATGASKKLLKATGASKKSVKTPKKAKKPAATRKS SKNPKK

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PKTVKPKKVAKSPAKAKAVKPKAAKARVTKPKTAKPKKAAPKKK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[HIST1H1A histone cluster 1, H1a \[Homo sapiens \]](#)

Official Symbol

[HIST1H1A](#)

Synonyms

HIST1H1A; histone cluster 1, H1a; H1 histone family, member 1 , H1F1, histone 1, H1a; histone H1.1; H1.1; H1a; histone 1, H1a; H1 histone family, member 1; H1A; H1F1; HIST1; MGC126642; MGC138345;

Gene ID

[3024](#)

mRNA Refseq

[NM_005325](#)

Protein Refseq

[NP_005316](#)

MIM

[142709](#)

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UniProt ID

Q02539

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