Recombinant Human H1-1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H1-1-4920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST1H1A MS Standard C13 and N15-labeled recombinant protein (NP_005316) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	21.8 kDa
AA Sequence	MSETVPPAPAASAAPEKPLAGKKAKKPAKAAAASKKKPAGPSVSELIVQAASSSKER GGVSLAALKKALAAAGYDVEKNNSRIKLGIKSLVSKGTLVQTKGTGASGSFKLNKKA SSVETKPGASKVATKTKATGASKKLKKATGASKKSVKTPKKAKKPAATRKSSKNPKK PKTVKPKKVAKSPAKAKAVKPKAAKARVTKPKTAKPKKAAPKKKTRTRPLEQKLISE

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	EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	H1-1 H1.1 linker histone, cluster member [Homo sapiens (human)]
Official Symbol	H1-1
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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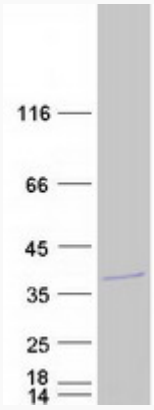
UniProt ID	Q02539
SDS-PAGE	

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