Recombinant Human H2AC6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2AC6-3082H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST1H2AC MS Standard C13 and N15-labeled recombinant protein (NP_003503) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Histones are basic nuclear proteins that are responsible for the 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 H2A 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	13.9 kDa
AA Sequence	MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAA VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLLGRVTIAQGGVLPNIQA VLLPKKTESHHKAKGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

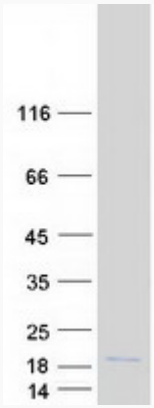
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM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

GENE INFORMATION

Gene Name	H2AC6 H2A clustered histone 6 [Homo sapiens (human)]
Official Symbol	H2AC6
Synonyms	HIST1H2AC; histone cluster 1, H2ac; H2A histone family, member L, H2AFL, histone 1, H2ac; histone H2A type 1-C; histone H2AC; histone H2A/l; histone 1, H2ac; H2A histone family, member L; H2A/l; H2AFL; dJ221C16.4; MGC99519;
Gene ID	8334
mRNA Refseq	NM_003512
Protein Refseq	NP_003503
MIM	602794
UniProt ID	Q93077

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SDS-PAGE	

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