Recombinant Human H2AC21 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H2AC21-4001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST2H2AB MS Standard C13 and N15-labeled recombinant protein (NP_778235) 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. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene contain a palindromic termination element.
Molecular Mass	13.8 kDa
AA Sequence	MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAA VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAVRNDEELNKLLGGVTIAQGGVLPNIQ AVLLPKKTESHKPGKNKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	H2AC21 H2A clustered histone 21 [Homo sapiens (human)]
Official Symbol	H2AC21
Synonyms	HIST2H2AB; histone cluster 2, H2ab; H2AB; HIST2H2AB; histone H2A type 2-B; histone 2, H2ab; histone cluster 2 H2A family member b; histone cluster 2, H2ab
Gene ID	317772
mRNA Refseq	NM_175065
Protein Refseq	NP_778235
MIM	615014
UniProt ID	Q8IUE6

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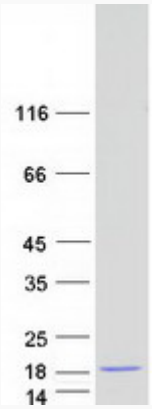
SDS-PAGE	

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