

Product datasheet for PH320685

H2AC21 (NM_175065) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIST2H2AB MS Standard C13 and N15-labeled recombinant protein (NP_778235)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220685
Predicted MW:	13.8 kDa
Protein Sequence:	>RC220685 representing NM_175065 Red =Cloning site Green =Tags(s) MSGRGKQGKARAKAKSRSSRAGLQFPVGRVHLLRKGNYAERVGAGAPVYLAADVLEYLTAEILELAGNA ARDNKKTRIIIPRHLQLAVRNDEELNKLGGVTIAQGGVLPNIQAVLLPKKTESHKPGKNK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_778235</u>
RefSeq Size:	448
RefSeq ORF:	390
Synonyms:	H2AB; HIST2H2AB
Locus ID:	317772
UniProt ID:	<u>Q8IU66</u>
Cytogenetics:	1q21.2



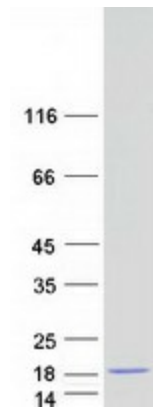
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Summary:

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. [provided by RefSeq, Aug 2015]

Protein Pathways:

Systemic lupus erythematosus

Product images:

Coomassie blue staining of purified HIST2H2AB protein (Cat# [TP320685]). The protein was produced from HEK293T cells transfected with HIST2H2AB cDNA clone (Cat# [RC220685]) using MegaTran 2.0 (Cat# [TT210002]).