

## Product datasheet for **TP320685M**

### H2AC21 (NM\_175065) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human histone cluster 2, H2ab (HIST2H2AB), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220685 representing NM_175065 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHLLRKGNYAERVGAGAPVYLAHVLEYLTAEILELAGNA ARDNKKTRIIPRHLQLAVRNDEELNKLGGVTIAQGGVLPNIQAVLLPKKTESHKPGKNK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	13.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_778235</a>
Locus ID:	317772
UniProt ID:	<a href="#">Q8IUE6</a>
RefSeq Size:	448
Cytogenetics:	1q21.2



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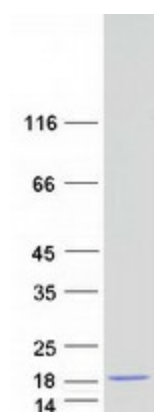
RefSeq ORF: 390

Synonyms: H2AB; HIST2H2AB

**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]).