

## **Product datasheet for TP314885**

## OriGene Technologies, Inc.

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## H2AC14 (NM\_021066) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human histone cluster 1, H2aj (HIST1H2AJ), 20 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC214885 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAAVLEYLTAEILELAGNA

ARDNKKTRIIPRHLQLAIRNDEELNKLLGKVTIAQGGVLPNIQAVLLPKKTESHHKTK

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

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: NP 066544

Locus ID: 8331
UniProt ID: Q99878

RefSeq Size: 439

Cytogenetics: 6p22.1



H2AC14 (NM\_021066) Human Recombinant Protein - TP314885

RefSeq ORF: 384

Synonyms: dJ160A22.4; H2A/E; H2AFE; HIST1H2AJ

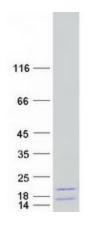
**Summary:** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

> 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 small histone gene cluster on

chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]

Systemic lupus erythematosus **Protein Pathways:** 

## **Product images:**



Coomassie blue staining of purified HIST1H2AI protein (Cat# TP314885). The protein was produced from HEK293T cells transfected with HIST1H2AJ cDNA clone (Cat# [RC214885]) using MegaTran 2.0 (Cat# [TT210002]).