

Product datasheet for PH314885

OriGene Technologies, Inc.

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H2AC14 (NM_021066) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: HIST1H2AI MS Standard C13 and N15-labeled recombinant protein (NP 066544)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC214885

or AA Sequence: Predicted MW:

13.9 kDa

Protein Sequence: >RC214885 protein sequence

Red=Cloning site Green=Tags(s)

MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAAVLEYLTAEILELAGNA

ARDNKKTRIIPRHLQLAIRNDEELNKLLGKVTIAQGGVLPNIQAVLLPKKTESHHKTK

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: NP 066544

RefSeq Size: 439 RefSeq ORF: 384

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

 Locus ID:
 8331

 UniProt ID:
 Q99878

 Cytogenetics:
 6p22.1



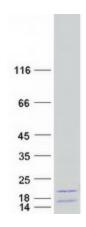
Summary:

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]

Protein Pathways:

Systemic lupus erythematosus

Product images:



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