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Product datasheet for PH300564

H2AZ2 (NM_012412) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	H2AFV MS Standard C13 and N15-labeled recombinant protein (NP_036544)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200564
Predicted MW:	13.5 kDa
Protein Sequence:	>RC200564 protein sequence Red=Cloning site Green=Tags(s) MAGGKAGKDSGKAKAKAVSRSQRAGLQFPVGRIHRHLKTRTTSHGRVGATAAVYSAAILEYLTAEVLELA GNASKDLKVKRITPRHLQLAIRGDEELDSLIKATIAGGGVIPHIHKSLIGKKGQQKTA 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_036544
RefSeq Size:	1429
RefSeq ORF:	384
Synonyms:	H2A.Z-2; H2AFV; H2AV
Locus ID:	94239
UniProt ID:	Q71UI9
Cytogenetics:	7p13

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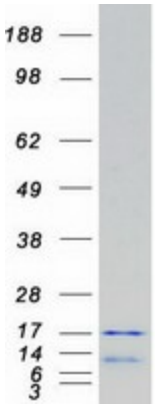
Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin 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 encodes a replication-independent histone that is a member of the histone H2A family. Several transcript variants encoding different isoforms, have been identified for this gene. [provided by RefSeq, Oct 2015]

Protein Families: Druggable Genome

Protein Pathways: Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified H2AFV protein (Cat# [TP300564]). The protein was produced from HEK293T cells transfected with H2AFV cDNA clone (Cat# [RC200564]) using MegaTran 2.0 (Cat# [TT210002]).