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Product datasheet for PH301249

Histone H1.2 (HIST1H1C) (NM_005319) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIST1H1C MS Standard C13 and N15-labeled recombinant protein (NP_005310)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201249
Predicted MW:	21.2 kDa
Protein Sequence:	>RC201249 representing NM_005319 Red=Cloning site Green=Tags(s) MSETAPAAPAAAPPAEKAPVKKKAAKKAGGTPRKASGPPVSELITKAVAASKERSGVSLAALKKALAAAG YDVEKNNSRIKLGLKSLVSKGTLVQTKGTGASGSFKLNKKAASGEAKPKVKKAGGTKPKKPVGAAKKPKK AAGGATPKKSAKKTPKKAKKPAAATVTKKVAKSPKKAKVAKPKKAAKSAAKAVKPKAAKPKVVKPKKAAP KKK 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_005310
RefSeq Size:	732
RefSeq ORF:	639
Synonyms:	H1.2; H1C; H1F2; H1s-1; HIST1H1C
Locus ID:	3006
UniProt ID:	P16403

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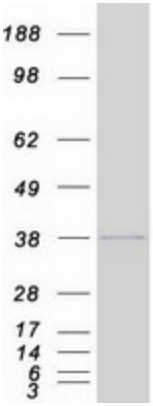
Cytogenetics: 6p22.2

Summary: Histones are basic nuclear proteins responsible for 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 H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq, Aug 2015]

Product images:



Coomassie blue staining of purified HIST1H1C protein (Cat# [TP301249]). The protein was produced from HEK293T cells transfected with HIST1H1C cDNA clone (Cat# [RC201249]) using MegaTran 2.0 (Cat# [TT210002]).