

## Product datasheet for **TP301249M**

### Histone H1.2 (HIST1H1C) (NM\_005319) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human histone cluster 1, H1c (HIST1H1C), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201249 representing NM_005319 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MSETAPAAPAAAPPAEKAPVKKKAAKKAGGTGPRKASGPPVSELITKAVAASKERSGVSLAALKKALAAAG YDVEKNNRIKLGKSLVSKGTLVQTKGTGASGSFKLNKKAASGEAKPKVKKAGGTPKPKPVGAACKPKK AAGGATPKSAKTPKKAKKPAAATVTKKVAKSPKKAKVAKPKKAAKSAKAVKPKAAKPKVVKPKKAAP KKK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	21.2 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_005310</a>
Locus ID:	3006
UniProt ID:	<a href="#">P16403</a>



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RefSeq Size: 732

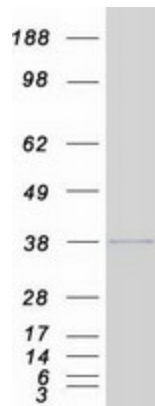
Cytogenetics: 6p22.2

RefSeq ORF: 639

Synonyms: H1.2; H1C; H1F2; H1s-1; HIST1H1C

**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]).