

## Product datasheet for **TP762519**

### H2AC7 (NM\_021065) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human histone cluster 1, H2ad (HIST1H2AD), full length, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of H2AC7
Tag:	N-His
Predicted MW:	13.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50mM Tris, pH8.0, 8M Urea
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_066409</a>
Locus ID:	3013
UniProt ID:	<a href="#">P20671</a> , <a href="#">B2R5B6</a>
RefSeq Size:	460
Cytogenetics:	6p22.2
RefSeq ORF:	390
Synonyms:	H2A.3; H2A/g; H2AFG; HIST1H2AD



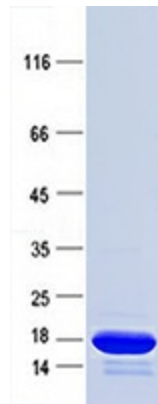
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**Summary:**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large 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 H2AC7 protein (Cat #TP762519). The protein was produced from E.coli.