

## H3C1 (Human) Recombinant Protein

Catalog # P7139

Size 100 ug

### Specification

<b>Product Description</b>	Human H3C1 (P68431, 1 a.a. - 136 a.a.) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALREIRRYQKSTELLIRKL PFQRLVREIAQDFKTDLRQSSAVMALQEACEAYLVGLFEDTNLCAIHAKRVTIMPKDIQLARRIRG ERA
<b>Host</b>	Escherichia coli
<b>Theoretical MW (kDa)</b>	16.8
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage Buffer</b>	Lyophilized from PBS
<b>Storage Instruction</b>	Store at -20°C to -80°C for 24 month. Once rehydrated, aliquot and store at -20°C.

### Applications

- Functional Study
- SDS-PAGE

### Gene Info — HIST1H3A

<b>Entrez GeneID</b>	<a href="#">8350</a>
<b>Protein Accession#</b>	<a href="#">P68431</a>

Gene Name	HIST1H3A
Gene Alias	H3/A, H3FA
Gene Description	histone cluster 1, H3a
Omim ID	<a href="#">602810</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 member of the histone H3 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]</p>
Other Designations	H3 histone family, member A histone 1, H3a

## Pathway

- [Systemic lupus erythematosus](#)