

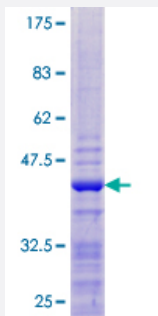
Full-Length

# HIST1H2AK (Human) Recombinant Protein (P01)

Catalog # H00008330-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human HIST1H2AK full-length ORF ( NP_003501.1, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAHVLEYLTAEIL ELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLKGVTIAQGGVLPNIQAVLLPKKTESHKAKGK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	40.5
<b>Interspecies Antigen Sequence</b>	Mouse (98); Rat (96)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — HIST1H2AK

Entrez GeneID [8330](#)

GeneBank Accession# [NM\\_003510.2](#)

Protein Accession# [NP\\_003501.1](#)

Gene Name HIST1H2AK

Gene Alias H2A/d, H2AFD

Gene Description histone cluster 1, H2ak

Omim ID [602788](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Histones are basic nuclear proteins that are responsible for the 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 member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

**Other Designations** H2A histone family, member D|OTTHUMP00000018006|histone 1, H2ak

## Pathway

- [Systemic lupus erythematosus](#)