

Datasheet for ABIN5505658  
**HIST1H4K Protein (His tag)**



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1 Image

## Overview

Quantity:	50 µg
Target:	HIST1H4K
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIST1H4K protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human Purified recombinant protein of Human histone cluster 1, H4k (HIST1H4K), full length, with N-terminal HIS tag, expressed in E.coli, 50 µg (full length, N-term HIS tag) protein expressed in E.coli.</li><li>• Produced with end-sequenced ORF clone</li></ul>
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Purification:	Purified
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	HIST1H4K
Alternative Name:	histone cluster 1, H4k ( <a href="#">HIST1H4K Products</a> )
Background:	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,

## Target Details

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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 H4 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.

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Molecular Weight: 11.2 kDa

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NCBI Accession: [NP\\_003532](#)

## Application Details

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Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

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Comment: The tag is located at the N-terminal.

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Restrictions: For Research Use only

## Handling

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Concentration: 50 µg/mL

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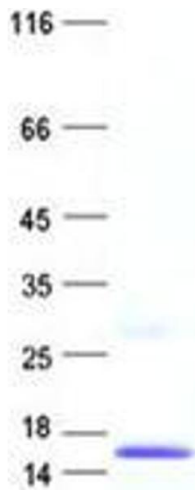
Buffer: 50 mM Tris, 8M Urea, pH 8.0

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Storage: -80 °C

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Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



### Western Blotting

**Image 1.** Validation with Western Blot