

Recombinant Human mH2A2 protein ab131967

1 Image

Description

Product name	Recombinant Human mH2A2 protein
Expression system	Wheat germ
Accession	<u>Q9P0M6</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSGRSGKKKMSKLSRSARAGVIFPVGRMLMRYLKKGTFKY RISVGAPVYMA AVIEYLAAEILELAGNAARDNKKARIAPRHILLAVANDEELN QLLKGVTI ASGGVLPRIHPELLAKKRGTKGKSETILSPPEKRGRKAT SGKKGGKKSK AAKPRTSKKSKPKDSDKEGTSNSTSEDGPGDGFTILSSK SLVLGQKLSLT QSDISHIGSMRVEGMHPTTAEIDLKEDIGKALEKAGGKEFL ETVKELRK SQGPLEVAEAAVSQSSGLAAKFVIHCHIPQWGSDKCEEQ LEETIKNCLSA AEDKKLKSVAFPPFPSGRNCFPKQTAAQVTLKAISAHFD DSSASSLKENVYFLLFDSESIGIVQEMAKLDAK
Predicted molecular weight	67 kDa including tags
Amino acids	1 to 372

Specifications

Our <b>Abpromise guarantee</b> covers the use of <b>ab131967</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA SDS-PAGE Western blot
Form	Liquid

## Additional notes

This product was previously labelled as Macro H2A.2.

## Preparation and Storage

### Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

### Function

Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. May be involved in stable X chromosome inactivation.

### Sequence similarities

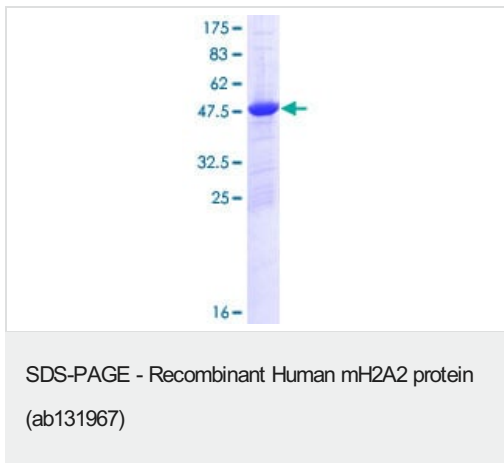
Contains 1 histone H2A domain.

Contains 1 Macro domain.

### Cellular localization

Nucleus. Chromosome. Enriched in inactive X chromosome chromatin and in senescence-associated heterochromatin.

## Images



12.5% SDS-PAGE stained with Coomassie Blue, showing ab131967.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors