

Recombinant Human Histone H2A Protein

Catalog No.: RP03260

Sequence Information

Species Gene ID

Human 92815

Swiss Prot Tags

Q7L7L0 No tag

Synonyms

Histone H2A type 3; HIST3H2A; H2AC25; H2AW

Product Information

Source Purification

E.coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

13.99 kDa 15–20 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

HIST3H2A is a member of histones, which are a complex family of highly conserved basic proteins responsible for packaging chromosomal DNA into nucleosomes. Covalent modification of histones is important in regulating chromatin dynamics and transcription. One example of such modification is ubiquitination, which mainly occurs on histones H2A and H2B. E3 ubiquitin ligase complex is specific for histone H2A (HIST3H2A). Reducing the expression of Ring2 results in a dramatic decrease in the level of ubiquitinated H2A in HeLa cells. DNA damage induces monoubiquitylation of histone H2A (HIST3H2A) in the vicinity of DNA lesions.

Basic Information

Description

Recombinant Human HIST3H2A Protein is produced by E.coli expression system. The target protein is expressed with sequence (Ser2–Lys130) of human HIST3H2A (Accession #NP_254280.1) fused with No tag.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

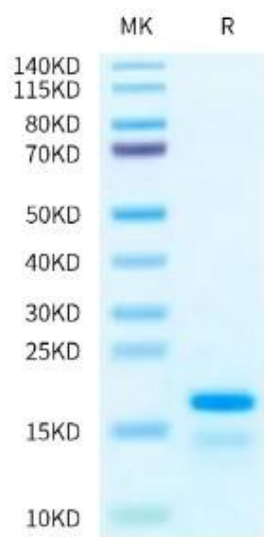
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human Histone H2A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.