
Certificate of Analysis

Histone H3

(recombinant protein expressed in *E. coli*)

Catalog # 14-411

Lot # JBC1349752

Product Description: Recombinant *Xenopus laevis* Histone H3 produced in *E. coli*, purified using HPLC. Mr 17kDa.

Purity: ≥98% pure as determined by SDS-PAGE of 1μg of this lot.

Formulation: 100μg of Histone H3 quantitated using the molar absorption coefficient (280nm) of 3900; lyophilized from 100μl of sterile, distilled water. Lyophilized powder.

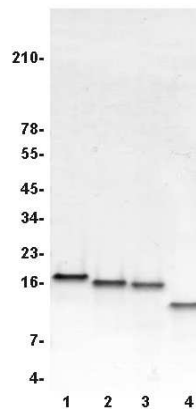
Storage and Stability: Stable for 2 years at -20°C from date of shipment. Rehydrate with sterile, distilled water. After rehydration, aliquot to avoid repeated freezing and thawing.

**FOR IN VITRO RESEARCH USE ONLY
NOT FOR USE IN HUMANS OR ANIMALS**

Research Application

Enzymatic Assay: This lot of Histone H3 can be used as substrate for *in vitro* enzymatic reactions. Use 1μg per assay point.

Immunoblot Analysis: Identity of Histone H3 was confirmed by immunoblotting with a mouse monoclonal anti-Histone H3 (Catalog # 05-499). Catalog # 05-499 does not recognize histones H2A, H2B or H4.



SDS-PAGE and Coomassie Stain: Representative gel from a previous lot. Purity was assessed by SDS-PAGE and Coomassie blue staining using 1μg of Histone H3 (lane 1), Histone H2B (lane 2), Histone H2A (lane 3) and Histone H4 (lane 4).

Reference:

1. Luger, K., *et al.*, *Nature* **389**: 251-260, 1997.
2. Baluchamy, S., *et al.*, *Proc. Natl. Acad. Sci. USA* **100**: 9524-9, 2003.
3. Dey, A., *et al.*, *Proc. Natl. Acad. Sci. USA* **100**: 8758-63, 2003.
4. Tovich, P. R. and Oko, R. J., *J. Biol. Chem.* **278**: 32431-8, 2003.