

Histone Acetyltransferase Activity Colorimetric Assay Kit

Cat. No. Kit-0410 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Histone Acetyltransferase Activity Assay Kit offers a convenient, nonradioactive system for a rapid and sensitive detection of HAT activity in mammalian samples. The kit utilizes active Nuclear Extract (NE) as a positive control and acetyl-CoA as a cofactor. Acetylation of peptide substrate by active HAT releases the free form of CoA which then serves as an essential coenzyme for producing NADH. NADH can easily be detected spectrophotometrically upon reacting with a soluble tetrazolium dye. The detection can be continuous and suitable for kinetic studies. The kit provides a simple, straightforward protocol for a complete assay.
Size	100 x 1 assay
Description	Histone acetyltransferases (HATs) have been implicated to play a crucial role in various cellular functions, such as gene transcription, differentiation, and proliferation.
Applications	Functional Studies
Target Species	Reacts with: all Mammals
Storage	Store kit at -80°C.
Kit Components	Components Identifier 100 tests 2X HAT Assay Buffer Amber 1 x 7.5ml HAT Reconstitution Buffer Clear 1 x 1.8ml HAT Substrate I Blue 1 vial HAT Substrate II Purple 1 vial NADH Generating Enzyme Green 1 x 800µl Nuclear Extract (4 mg/ml) Red 1 x 50µl

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Compatible Sample
Types**

Tissue Extracts, Cell Lysate

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