

## HAT Activity Colorimetric Assay Kit

### Product Information

**Cat**

Kit-0407

**Common Name**

HAT

**Cat.No.**

Kit-0407

### Product Overview

Simple procedure

Fast and convenient

The detection can be continuous and suitable for kinetic studies

### Description

Histone acetyltransferases (HATs) have been implicated to play a crucial role in various cellular functions, such as gene transcription, differentiation, and proliferation. HAT Activity Colorimetric 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.

### Applications

Detects HAT activity by colorimetric method in mammalian samples

### Usage

For Research Use Only! Not For Use in Humans

### Storage

## HAT Activity Colorimetric Assay Kit

-80°C

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### Size

100 assays

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### Kit Components

- 2X HAT Assay Buffer
- HAT Substrate I
- HAT Substrate II
- NADH Generating Enzyme
- HAT Reconstitution Buffer
- Nuclear Extract 4 mg/ml

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### Target Species

Mammalian

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**Detection method** Absorbance (440 nm)

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### Compatible Sample Types

Cell and Tissue lysates

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