CREATIVE BIOMART®
Assay Kit

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

-80°C

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Assay Kit

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Size

100 assays

Kit Components

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

Target Species

Mammalian

Detection method Absorbance (440 nm)

Compatible Sample Types

Cell and Tissue lysates

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