HAT Activity Colorimetric Assay Kit

Cat. No. Kit-0407 **Lot. No.** (See product label)

SPECIFICATION

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
Size	100 assays
Kit Components	• 2X HAT Assay Buffer • HAT Substrate I

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	• 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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