CREATIVE BIOMART®
Assay Kit

HDAC3 Activity Fluorometric Assay Kit

Product Information

Cat

Kit-2254

Cat.No. Kit-2254

Product Overview

Histone deacetylases (HDACs) represent a large family of enzymes identified as key regulators of nucleosomal histone acetylation, a major event that controls eukaryotic gene transcription and are classified into three groups. HDACs are transcriptional repressors with crucial roles in mammalian development. They are believed to be involved in important biological activities, such as cell differentiation, proliferation, apoptosis, and senescence. In HDAC-3 activity Kit, HDAC-3 and Developer will deacetylate and cleave the substrate [R-H-K-K(Ac)-AFC] to release the quenched fluorescent group (AFC), which can be detected at Em/Ex = 380/500 nm. The kit provides a rapid, simple, sensitive, and reliable test, which is also suitable for high throughput measurement of HDAC-3 activity in purified, immunoprecipitated and recombinant or genetically modified HDAC3 samples.

Applications

Suitable for high throughput measurement of HDAC3 activity in purified, immunoprecipitated and recombinant or genetically modified HDAC-8 samples.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

HDAC3 Assay Buffer; HDAC3 Substrate; HDAC3 Positive Control; AFC Standard (1 mM); Developer;

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HDAC3 Activity Fluorometric Assay Kit

Trichostatin A

Detection method Fluorescence (Em/Ex = 380/500 nm)

Features & Benefits

Simple procedure; takes ~ 60 min;
Fast and convenient;
Kit contains the necessary reagents for accurate measurement of HDAC3 activity

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