CREATIVE BIOMART®
Assay Kit

HDAC8 Activity Fluorometric Assay Kit

Product Information

Cat

Kit-2253

Cat.No. Kit-2253

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-8 activity Kit, HDAC-8 deacetylates the substrate (R-H-K(Ac)-K(Ac)-AFC) followed by an enzymatic cleavage 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-8 activity in purified, immunoprecipitated and recombinant or genetically modified HDAC-8 samples.

Applications

Suitable for high throughput measurement of HDAC8 activity in purified, immunoprecipitated and recombinant or genetically modified HDAC-8 samples.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

HDAC-8 Assay Buffer; HDAC-8 Substrate; HDAC-8 Positive Control; AFC Standard (1 mM); Developer;

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Trichostatin A (10 μM)

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

Features & Benefits

Simple procedure; takes ~ 60 min;
Fast and convenient;
Kit contains the necessary reagents for accurate measurement of HDAC-8 activity

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