CREATIVE BIOMART®
Assay Kit

HDAC8 Activity Assay Kit

Product Information

Cat.No. Kit-0433

Product Overview

HDAC8 Activity Assay Kit is a quantitative fluorometric determination of HDAC8 activity.

Description

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 HDAC8 Activity Assay Kit, HDAC-8 deacetylates the substrate (R-H-K(Ac)-K(Ac)-AFC) followed by an enzymatic cleavage to release the AFC molecule, which can be detected fluorometrically (Ex/Em = 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.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store the kit at -20°C, protect from light. Allow Assay Buffer to warm to room temperature before use.Briefly centrifuge vials before opening. Read the entire protocol before performing the assay.HDAC-8 Positive Control and HDAC-8 Substrate: Upon thawing aliquot and store at -20°C, use within 2 months.Developer and Trichostatin A: Store at -20°C; use within 2 months.HDAC-8 Assay Buffer: Store at 4°C.

Kit Components

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

CREATIVE BIOMART®
Assay Kit

HDAC8 Activity Assay Kit

HDAC-8 Assay Buffer. Cap color: WM. 25 mlHDAC-8 Substrate. Cap color: red. 200 µlHDAC-8 Positive Control. Cap color: green. 20 µlAFC Standard (1 mM). Cap color: yellow. 100 µlDeveloper. Cap color: orange. 1 mlTrichostatin A (10 µM). Cap color: blue. 1 ml

Detection method Fluorometric

Compatible Sample Types

Biological Fluid,Cell Lysate, Plasma, Serum, Tissue Lysate

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