CREATIVE BIOMART®
Assay Kit

HDAC1 Kinetic Assay Kit

Product Information

Cat.No. Kit-1737

Size

96 reactions

Description

The Kinetic HDAC1 Assay Kit is a complete assay system designed to measure histone deacetylase 1 (HDAC1) activity kinetically for screening and profiling applications. It comes in a convenient 96-well format, with all the reagents necessary for 100 fluorescent HDAC1 activity measurements. In addition, the kit includes purified HDAC1 enzyme and a potent HDAC inhibitor, SAHA, for use as a positive and negative control. The Kinetic HDAC1 Assay Kit is based on a unique fluorogenic substrate and developer combination. This assay method eliminates dealing with the radioactivity, extraction, and chromatography aspects of traditional assays. Using this kit, only one simple step for setting up the HDAC1 reaction on a microtiter plate is needed and then the HDAC1 activity level can be measured kinetically using a fluorescence reader.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors of HDAC1 for drug discovery and HTS applications.

Storage

12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

HDAC1 human recombinant enzyme: 10 µg; -80°C Fluorogenic HDAC substrate (5 mM): 50 µl; -80°C 10x HDAC Developer: 1 ml; -80°C Developer Dilution Buffer: 10 ml; -20°C SAHA (1 mM): 20 µl; -20°C HDAC Assay Buffer: 20 ml; -20°C BSA (1mg/ml): 1 ml; -20°C black, low binding NUNC black microtiter plate: 1 plate; Room temp.

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