CREATIVE BIOMART®
Assay Kit

HDAC8 fluorometric drug discovery Kit

Product Information

Cat.No. Kit-0419

Product Overview

Useful for inhibitor screening or characterizing enzyme kineticsIncludes optimal substrate selected from a panel of acetylated sites in p53 and histonesSupplied with enough recombinant enzyme for 96 assays (1 x 96-well plate)

Size

96 wells

Description

A FLUOR DE LYS fluorescent assay system. The HDAC8 Fluorescent Activity Assay/Drug Discovery Kit is a complete assay system designed to measure the lysyl deacetylase activity of the recombinant human HDAC8 included in the kit. The kit is ideal for chemical library screening for candidate inhibitors or activators or kinetic assay of the enzyme under varying conditions. The FLUOR DE LYS HDAC8 assay is based on the FLUOR DE LYS Substrate and FLUOR DE LYS Developer combination. The assay procedure has two steps. First, the FLUOR DE LYS Substrate, which comprises an acetylated lysine side chain, is incubated with HDAC6. Deacetylation of the substrate sensitizes the substrate so that, in the second step, treatment with the FLUOR DE LYS Developer produces a fluorophore.

Applications

Fluorescence microscopy, HTS

Storage

-80°C

Kit Components

HDAC8 (human) (recombinant)FLUOR DE LYS-HDAC8 substrate and developer IIAssay bufferTrichostatin A (HDAC inhibitor)White and clear 1/2-vol. 96-well plates, detailed instructions

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