CREATIVE BIOMART®
Assay Kit

P300 (KAT3B) Fluorogenic Assay Kit

Product Information

Cat.No. Kit-1790

Size

96 reactions

Description

The Fluorogenic p300 Assay Kit is a homogeneous, fluorogenic assay designed to screen for inhibitors of p300 (also known as KAT3B). The Fluorogenic p300 Assay Kit is based on the transfer of an acetyl group from acetyl CoA to a peptide substrate. After incubation with acetyl CoA and the substrate, the P300 enzyme generates acetylated H3 peptide and CoASH. No time-consuming washing steps are required. The thiol groups of CoASH can be detected with fluorogenic reagent at excitation = 360 nm and emission = 460 nm.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors 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

P300 human recombinant enzyme: 10 μg; -80°C Acetyl CoA (1 mM): 100 μl; -20°C 10X HAT assay buffer: 5 ml; -20°C H3 peptide: 500 μl; -20°C Fluorescence Developer: 250 μl; -20°C Developer Solution: 10 ml; -20°C HAT Stop Solution: 5 ml; Room temp. black, low binding NUNC black microtiter plate: 1 plate; Room temp.

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