CREATIVE BIOMART®
Assay Kit

SUV39H2 Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1871

Size

96 reactions

Description

The SUV39H2 Direct Activity Assay Kit is designed to measure SUV39H2 activity for profiling and screening applications, using purified SUV39H2. The SUV39H2 Direct Activity Assay Kit comes in a convenient format, with a 96-well plate precoated with histone H3 peptide substrate, the antibody against methylated lysine residue of Histone H3, the secondary HRP-labeled antibody, S-adenosylmethionine, methyltransferase assay buffer, and purified SUV39H2 enzyme for 100 enzyme reactions. The key to the SUV39H2 Activity Assay Kit is a highly specific antibody that recognizes methylated K9 residue of Histone H3. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, S-adenosylmethionine is incubated with a sample containing assay buffer and methyltransferase enzyme for one hour. Next, primary antibody is added. Finally, the plates are treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate is added to produce chemiluminescence that can then be measured using a chemiluminescence reader.

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

SUV39H2: 4 µg; -80°C 100 µM S-adenosylmethionine: 250 µl; -80°C Primary antibody 1: 100 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C4x HMT assay buffer 1: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (2 components): 6 ml each; +4°C 96-well plate

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precoated with histone substrate: 1 plate; +4°C

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