CREATIVE BIOMART®
Assay Kit

NSD1 Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1787

Size

96 reactions

Description

The NSD1 Direct Activity Chemiluminescent Assay Kit is designed to measure NSD1 activity for screening and profiling applications. The key to the NSD1 Chemiluminescent Activity Assay Kit is a highly specific antibody that recognizes methylated residue of Histone H3. With this kit, only three simple steps are required for methyltransferase detection. First, S- adenosylmethionine is incubated with a sample containing assay buffer and methyltransferase enzyme. Next, primary antibody is added. Finally, the plate is treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate 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

NSD1 human enzyme: 100 µg; -80°C 400 µM S-adenosylmethionine: 500 µl; -80°C Primary antibody 16: 100 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°C4x HMT assay buffer 7: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (transparent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C 96-well plate precoated with histone substrate : 1; +4°C

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