CREATIVE BIOMART®
Assay Kit

SMYD3 Homogeneous Assay Kit

Product Information

Cat.No. Kit-1868

Size

384 reactions

Description

The SMYD3 Homogeneous Assay Kit is designed to measure SMYD3 activity for screening and profiling applications. SMYD3 is a histone methyltransferase that promotes diand trimethylation of lysine4 of histone H3. It also exhibits methylation activity toward a lysine residue of MAPK/ERK Kinase Kinase 2 (MAP3K2). The key to the SMYD3 Homogeneous Assay Kit is a highly specific antibody that recognizes methylated substrate. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, a sample containing SMYD3 enzyme is incubated with the substrate for three hours. Next, acceptor beads and primary antibody are added, then donor beads, followed by reading the Alpha-counts.

Applications

Great for studying enzyme kinetics 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

SMYD3/HSP90: 20 µg; -80°C 100 µM S-adenosylmethionine: 2 x 250 μl; -80°CPrimary antibody 15: 5 μl; -80°CSMYD3 substrate: 200 μl; -80°C 4x SMYD3 assay Buffer 2: 3 x 1 ml; -20°C 4x Detection buffer 3: 2 x 1 ml; -20°C

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