CREATIVE BIOMART®
Assay Kit

PARP2 Colorimetric Assay Kit

Product Information

Cat.No.

Kit-1800

Size

96 reactions

Description

The PARP2 Colorimetric Activity Assay Kit is designed to measure PARP2 activity for screening and profiling applications. PARP2 is known to catalyze the NAD-dependent addition of poly(ADP-ribose) to histones. The key to the PARP2 Colorimetric Activity Assay is the biotinylated substrate. With this kit, only three simple steps are required for PARP2 reactions. First, histone proteins are coated on a 96-well plate. Next, the PARP2 biotinylated substrate is incubated with an assay buffer that contains the PARP2 enzyme. Finally, the plate is treated with streptavidin-HRP followed by addition of the colorimetric HRP substrate to produce color that can then be measured using a UV/Vis spectrophotometer microplate reader.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

Storage

Stable at least 6 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

PARP2: 5 µg; -80°C 5x histone mixture: 1 ml; -80°C 10x Assay Mixture Containing Biotinylated Substrate: 300 µl; -80°C 10x PARP assay buffer: 1 ml; -20°C Blocking buffer: 25 ml; +4°C Activated DNA: 500 µl; -80°C Streptavidin-HRP: 100 µl; +4°C Colorimetric HRP substrate: 10 ml; +4°C Transparent 96-well plate: 1; Room Temp.

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