CREATIVE BIOMART®
Assay Kit

TNKS1 Histone Ribosylation Colorimetric Assay Kit

Product Information

Cat.No. Kit-1883

Size

96 reactions

Description

The TNKS1 Histone Ribosylation Colorimetric Assay Kit is designed to measure Tankyrase 1 (TNKS1) activity for screening and profiling applications. TNKS1 catalyzes the NAD-dependent addition of poly(ADP-ribose) to the substrate proteins. The key to the TNKS1 Histone Ribosylation Assay is the biotinylated NAD+ substrate. With this kit, only three simple steps are required for TNKS1 reactions. First, histone proteins are coated on a 96-well plate. Next, the biotinylated NAD+substrate is incubated with an assay buffer that contains the TNKS1 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

TNKS1: 5 µg; -80°C 5 x histone mixture: 1 ml; -80°C10x Assay Mixture Containing Biotinylated Substrate: 300 μl; -80°C10x PARP Assay Buffer: 1 ml; -80°CBlocking buffer: 25 ml; +4°CStreptavidin-HRP: 100 μ; +4°CColorimetric HRP substrate: 10 ml; +4°C Transparent 96-well plate: 1; Room Temperature

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