

# TNKS2 Histone Ribosylation Assay Kit (Biotin-labeled NAD<sup>+</sup>) I

## Product Information

### Cat.No.

Kit-1886

### Product Overview

TNKS2 catalyzes the NAD-dependent addition of poly (ADP-ribose) to the substrate proteins.

### Size

96 reactions

### Description

The TNKS2 Histone Ribosylation Assay Kit (Biotin-labeled NAD<sup>+</sup>) is designed to measure Tankyrase 2 (TNKS2) activity for screening and profiling applications. The key to the TNKS2 Histone Ribosylation Assay is the biotinylated NAD<sup>+</sup> substrate. With this kit, only three simple steps are required for TNKS2 reactions. First, histone proteins are coated on a 96-well plate. Next, the biotinylated NAD<sup>+</sup> substrate is incubated with an assay buffer that contains the TNKS2 enzyme. Finally, the plate is treated with streptavidin-HRP followed by addition of the HRP substrate to produce chemiluminescence that can 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

TNKS2: 2 µg; -80°C 5 x histone mixture: 1 ml; -80°C 10x Assay Mixture Containing Biotinylated Substrate: 300 µl; -80°C 10x PARP Assay Buffer: 1 ml; -80°C Blocking buffer: 25 ml; +4°C Streptavidin-HRP: 100 µl; +4°C HRP chemiluminescent substrate (2 components): 6 ml each; +4°C 96-well module: 1; Room Temperature