CREATIVE BIOMART®
Assay Kit

SET7/9 Methyltransferase Inhibitor Screening Assay Kit

Product Information

Cat.No.	Kit-2021

Description

SET7/9 is an MT that acts on various substrates including histone 3 at lysine residue 4 (H3K4), p53, and the transcription factor TAF 10. In the SET7/9 MT Inhibitor Screening Assay the transfer of the methyl group from SAM by SET7/9 to the acceptor peptide (TAF 10) generates SAH, which is rapidly converted to urate and H2O2 using an enzyme mixture provided in the kit. A subsequent reaction between H2O2 and ADHP produces the highly fluorescent compound resorufin.

Storage

-80°C

Kit Components

MT Assay Buffer: 1 vial/20 ml; -20°CMT Assay Buffer Additive: 1 vial/0.2 ml; -20°C MT Enzyme Mixture: 3 vials/0.3 ml; -80°CMT Fluorometric Mixture: 3 vials; -20°CMT Assay S-Adenosylmethionine: 3 vials; -80°CSET7/9 (human recombinant): 2 vials/0.1 ml; -80°CDMSO Assay Reagent: 1 vial/1 ml; Room temperature HCl Assay Reagent (20 mM): 1 vial/1 ml; -20°CSET7/9 Acceptor Peptide: 2 vials/0.6 ml; -20°CMT Assay AdoHcy Positive Control: 1 vial/200 µl; -80°CHalf Volume 96-Well Solid Plate (black): 1 plate; Room temperature 96-Well Cover Sheet: 1 cover; Room temperature

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