

## NSD2 Chemiluminescent Assay Kit

### Product Information

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**Cat.No.**

Kit-1788

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**Size**

96 reactions

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**Description**

The NSD2 Direct Activity Chemiluminescent Assay Kit is designed to measure NSD2 activity for screening and profiling applications. The key to the NSD2 Chemiluminescent Activity Assay Kit is a highly specific antibody that recognizes methylated residue of Histone H3. With this kit, only three simple steps are required for methyltransferase detection. First, S-adenosylmethionine is incubated with a sample containing assay buffer and methyltransferase enzyme. Next, primary antibody is added. Finally, the plate is treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate to produce chemiluminescence that can then be measured using a chemiluminescence reader.

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**Applications**

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

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**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.

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**Kit Components**

NSD2 human enzyme: 50 µg; -80°C 100 µM S-adenosylmethionine: 250 µl; -80°C Primary antibody 16: 12.5 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°C 4x HMT assay buffer 7B: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (transparent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C 96-well plate precoated with histone substrate : 1; +4°C