

# PTP1B Inhibitor Screening Assay Kit

## Product Information

### Cat.No.

Kit-0752

### Product Overview

PTP1B Inhibitor Screening Assay Kit is a colorimetric, non-radioactive assay designed to measure the phosphatase activity of purified PTP1B. This 96-well assay is useful for screening inhibitors and modulators of PTP1B activity. The kit includes Human, recombinant PTP1B (residues 1-322; MW=37.4 kDa), expressed in E. coli as a positive control. The PTP1B inhibitor suramin is included as control for inhibitor detection. The detection of free-phosphate released is based on the classic Malachite green assay and offers the advantages of convenient, one-step detection and excellent sensitivity, without radioactivity.

### Size

1 x 96 tests

### Applications

Functional Studies more details

### Kit Components

Components: 1 x 96 tests; 96-well Clear Microplate (1/2 Volume): 1 unit; Phosphate Standard: 1 x 0.5ml; PTP1B Assay Buffer: 1 x 20ml; PTP1B Enzyme (Human, Recombinant): 1 x 5µg; PTP1B Inhibitor: 1 x 10mg; PTP1B Substrate: 1 x 1mg; Red Assay Reagent: 1 x 5ml

### Detection method

 Colorimetric

### Compatible Sample Types

Purified protein, Inhibitor compounds