CREATIVE BIOMART®
Assay Kit

6-Phosphogluconate Hydrogenase (6PGDH) Activity Assay Kit

Product Information

Product Overview

In the pentose phosphate pathway, glucose-6-phosphate dehydrogenase (G6PDH) and 6-phosphogluconate dehydrogenase (6PGDH) sequentially catalyze NADPH production, which is closely related to cellular energy balance, growth rate, and viability. In addition, 6PGDH plays an important role in stress physiology.
6PGDH catalyzes the conversion of 6-phosphogluconate and NADP⁺ to NADPH. NADPH exhibits a characteristic absorbance peak, whereas NADP⁺ does not. Enzyme activity is calculated by measuring the increase in absorbance at 340 nm.

Size

100t/96s

Storage

Store at -20 °C. Shelf life: 6 months.

Synonyms

6PGDH Kit

Detection method Spectrophotometer/Microplate Reader

Technical Notes

For measurements using a 96-well plate, a 96-well UV plate must be used.

Materials Required but Not Supplied

Refrigerated centrifuge, water bath, adjustable pipettes, UV spectrophotometer or microplate reader, micro quartz cuvettes or 96-well plates, distilled water.

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA