CREATIVE BIOMART®
Assay Kit

Glucose-6-Phosphatase (G6P) Activity Assay Kit

Product Information

Product Overview

Glucose-6-phosphatase (G6Pase, EC 3.1.3.9) is widely distributed in animals, plants, microorganisms, and cells. It catalyzes the hydrolysis of glucose-6-phosphate to glucose during gluconeogenesis and plays a critical role in maintaining blood glucose homeostasis.
G6Pase catalyzes glucose-6-phosphate to glucose. Mutarotase and glucose dehydrogenase subsequently catalyze NAD⁺ reduction to NADH. The rate of NADH formation at 340 nm reflects G6Pase activity.

Size

100t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Synonyms

G6P Kit

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Spectrophotometer or microplate reader, benchtop centrifuge, adjustable pipettes, micro quartz cuvettes or 96-well plates, mortar, ice, distilled water.

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