CREATIVE BIOMART®
Assay Kit

ADPG Pyrophosphorylase (AGP) Activity Assay Kit

Product Information

Product Overview

Significance: AGP catalyzes formation of ADP-glucose, the precursor for starch biosynthesis, representing a rate-limiting step in plants.
Principle: The reverse reaction generates G1P, which is converted via hexose phosphate isomerase and glucose-6-phosphate dehydrogenase to NADPH. NADPH formation rate at 340 nm indicates AGP activity.

Size

50t/48s

Storage

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

Detection method Ultraviolet Spectrophotometry

Materials Required but Not Supplied

UV spectrophotometer, water bath, bench-top centrifuge, adjustable micropipettes, 1 mL quartz cuvettes, mortar and pestle, ice, distilled water.

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