CREATIVE BIOMART®
Assay Kit

Starch Branching Enzyme (SBE) Activity Assay Kit

Product Information

Product Overview

Significance: Starch branching enzyme (SBE, EC 2.4.1.18) is a key enzyme involved in amylopectin biosynthesis in plants. Measurement of SBE activity is important for starch biosynthesis studies, crop quality improvement, and genetic breeding research.
Principle: Starch forms a complex with iodine that exhibits characteristic absorbance at 660 nm. SBE cleaves branch points in amylopectin, reducing the absorbance of the starch–iodine complex. The percentage decrease in absorbance over a defined time reflects SBE activity.

Size

100t/48s

Storage

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

Synonyms

SBE Kit

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

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

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