CREATIVE BIOMART®
Assay Kit

Anthocyanin reductase (ANR) Activity assay kit

Product Information

Product Overview

Anthocyanidin reductase (ANR) is involved in regulating the levels of anthocyanin content and the formation of proanthocyanidins. It is one of the key enzymes in the biosynthesis of proanthocyanidin monomers and plays an important regulatory role in anthocyanin accumulation. In the presence of NADPH, ANR converts delphinidin to epigallocatechin and NADP+. The enzyme activity of anthocyanidin reductase (ANR) can be determined by measuring the rate of decrease in absorbance at 340 nm in the reaction system.

Size

96 Samples

Storage

Store at -20□ away from light

Shipping

Ice pack

Kit Components

Extraction Solution: Liquid, 110mL × 1 bottle, stored at 4°C.
Reagent 1: Powder, mg × 1 vial, stored at -20°C.
Before use, shake or centrifuge to bring the powder to the bottom, then add 1.2mL of distilled water to dissolve and prepare for use.
Reagent 2: Powder, mg × 2 vials, stored at -20°C.
Before use, shake or centrifuge to bring the powder to the bottom, then add 0.6mL of distilled water to each vial to dissolve and prepare for use. Unused reagent should be aliquoted and stored at -20°C, avoid repeated freeze-thaw cycles, and use within three days.
Reagent 3: Liquid, 30mL × 1 bottle, stored at 4°C.
Reagent 4: Powder, μg × 1 vial, stored at -20°C in the dark.
Before use, shake or centrifuge to bring the powder to the bottom, then add 1.1mL of ethanol to dissolve and prepare for use. Unused reagent should be aliquoted and stored at -20°C in the dark,

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avoid repeated freeze-thaw cycles.

Materials Required but Not Supplied

Microplate reader, 96-well plate, benchtop centrifuge, anhydrous ethanol, water bath, adjustable pipette, mortar, ice.

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