CREATIVE BIOMART®
Assay Kit

Plant Tissue Extraction Kit

Product Information

Cat.No. Kit-2160

Product Overview

Plant Protein Extraction Kit provides an effective way of extracting soluble protein and other biomolecules and metabolites from all kinds of dry and fresh plant tissues without the use of liquid nitrogen. The kit includes optimized Extraction Buffer to extract plant protein and metabolites, Protease Inhibitor Cocktail to prevent protein degradation and Homogenization Pestles and Tubes to homogenize the plant tissue. The extracted protein can be used in a variety of downstream applications such as Western Blotting, 2-D gel electrophoresis, immunoprecipitation assay, and enzymatic activity assays etc. and extracted small molecules can be used in plant metabolic studies. This easy-to-use and rapid procedure ensures consistent protein yield ~ 2-9 mg/ml depending on the sample type.

Size

50 assays

Applications

Extraction of plant soluble protein and metabolites for various downstream applications such as Western Blotting, 2-D gel electrophoresis, immunoprecipitation assay, enzymatic activity assay and quantitation of metabolites etc.

Storage

Store kit at -20°C, protect from light. Homogenization Pestles and tubes can be stored at room temperature or -20°C. Thaw reagentsbefore use. Briefly centrifuge small vials prior to opening. Read entire protocol before performing the assay.

Kit Components

Plant Extraction Buffer: 25 mlProtease Inhibitor Cocktail (200X): 1 mlHomogenization Pestles: 3Homogenization Tubes (1.5 ml): 3

Detection method Protein Quantitation

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Compatible Sample Types

Fresh or frozen plant tissues, dry plant tissues such as seeds

Features & Benefits

• Simple method for extracting soluble protein, biomolecules & metabolites from plant tissues without the use of liquid nitrogen• Easy-to-use and rapid procedure ensures consistent protein yield ~ 2-9 mg/ml depending on the sample type

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