CREATIVE BIOMART®
Assay Kit

Plant Chromatin Extraction Kit

Product Information

Cat.No. Kit-0215

Product Overview

Plant Chromatin Extraction Kit is used for isolating chromatin or DNA-protein complex from plants.

Description

Chromatin immunoprecipitaton (ChIP) offers an advantageous tool for studying protein-DNA interaction. With ChIP, the experimenter can determine if a specific protein binds to the specific sequences of a gene in living cells by combining with PCR (ChIP-PCR), microarray (ChIP-chip), or sequencing (ChIP-Seq) techniques. When performing ChIP, chromatin or DNA-protein complex in plant tissues need to be first isolated in an efficient manner. However, the existing methods used for plant chromatin preparation are inconvenient and time consuming.

Applications

The Plant Chromatin Extraction Kit is suitable for isolating chromatin or DNA-protein complex from plants in a simple and rapid format. Chromatin prepared by using this kit can be used in a variety of chromatin immunoprecipitation methods. It is the optimal method for preparing chromatin required by One-Step ChIP Kit. The isolated chromatin can also be used in other chromatin-related applications such as in vitro protein-DNA binding assays and nuclear enzyme assays.

Target Species

Plants

Usage

For research use only (RUO)

Storage

Upon receipt: (1) Store Protease Inhibitor Cocktails at 4°C; (2) Store remaining components at room temperature.All components of the kit are stable for 6 months from the date of shipment, when stored properly.

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Plant Chromatin Extraction Kit

5X Lysis Buffer 2 X 20 mlExtraction Buffer A 15 mlExtraction Buffer B 15 mlExtraction Buffer C 8 mlChromatin Buffer 8 mlProtease Inhibitor Cocktail (1000X)* 15 µl* Spin the solution down to the bottom prior to use.

Compatible Sample Types

Cell, Tissue

Features & Benefits

Extremely fast procedure: the entire procedure from cell/tissue sample to ready-to-use chromatin is less than 2 hours.Convenient and flexible: the kit is suitable for preparing both native chromatin and cross-linked chromatin from monolayer or suspension cells, or from tissues.Unsheared chromatin makes it customizable for various analysis workflows that require either intact or fragmented chromatin, including ChIP, in vitro protein-DNA interaction analysis, nuclear enzyme assay, etc.

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