

Plant Nuclear Protein Extraction Kit (Non-enzymatic method, Pull-Down)

Cat PE00038

Size 50T|100T

Shelf Life

1 year

Application

This kit is suitable for the extraction of nuclear proteins from various plant cells and various solid plant tissues, such as leaves, roots, seeds and other plant tissues. The extraction process is simple and convenient and can be completed within 1 hour. The prepared nucleoproteins are not only of high purity and maintain natural activity, but also have no cross-contamination.

The kit contains a unique formula that can effectively solubilise plant nuclear components. The protease inhibitor mixture contained in this kit prevents the degradation of proteins by proteases, which ensures the extraction of high purity proteins.

The proteins extracted from this kit can be used in downstream protein research experiments such as Western Blotting, protein electrophoresis, immunoprecipitation, ELISA, transcriptional activity analysis, Gel shift gel blocking assay, enzyme activity assay, etc.

Description

Contains protein stabiliser, the extracted protein is stable.

Low background interference in UV detection of protein concentration.

Protease inhibitors inhibit protein degradation and the protease inhibitor formulation is optimised. The Protease Inhibitor Blend contains six separate protease inhibitors AEBSF, Aprotinin, Leupeptin, Pepstatin A, Bestatin, E-64, each of which specifically inhibits one or more protease activities. The optimised composition of the mixture allows it to inhibit almost all essential protease activities, including serine proteases, cysteine proteases, aspartate proteases, alanyl-aminopeptidases etc.

Kit Composition

Plant nucleoprotein extract A 100mL/200mL

Plant nuclear protein extract B 20mL/40mL

Protease inhibitor mixture 100μL/200μL

Storage

Protein extracts 2 to 8°C, protease inhibitors -20°C, extract A is not used for a long time placed at -20°C.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY