

Plant Nuclear Protein Extraction Kit (Enzyme method, Pull Down)



Cat PE00031

Size 50T|100T

Shelf Life

1 year

Application

This kit is suitable for extracting 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. The prepared nucleoproteins are not only of high purity and maintain natural activity, but also have absolutely no cross-contamination.

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

This kit is composed of optimised reagent formulations, which are particularly suitable for downstream research experiments on protein interactions, including immunoprecipitation (IP), immunoprecipitation co-precipitation (co-IP), Pull-down and other experiments.

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

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 five separate protease inhibitors Aprotinin, Leupeptin, Pepstatin A, Bestatin, and 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 and others.

Kit Composition

Plant nucleoprotein extract A 25mL/50mL

Phycobiliprotein Extract B 50mL/100mL

Plant nuclear protein extract C 15mL/30mL

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