

Plant Chloroplast Membrane Protein Extraction Kit (Enzymatic method)

Cat PE00033

Size 50T|100T

Shelf Life

1 year

Application

This kit adopts enzyme method to extract plant chloroplast membrane protein, which has the features of high recovery rate, high purity of extracted protein and keeping the natural activity of protein. The non-enzymatic extraction process is simple, convenient and fast, and there is absolutely no cross-contamination.

Description

Easy to use, protein extraction from cells and tissues does not require pre-treatment such as grinding, repeated freezing and thawing, ultrasonic crushing.

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. Protease Inhibitor Blend contains 6 separate protease inhibitors (AEBSF, Aprotinin, Leupeptin, Pepstatin A, Bestatin, E-64). Each inhibitor 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

Chloroplast Extract A 25mL/50mL

Chloroplast Extract B 100mL/200mL

Chloroplast Extract C 25mL/50mL

Membrane Protein Lysis Solution D 10mL/20mL

Protease inhibitor mixture 100μL/200μL

Storage

Protein extracts and lysates are stored at 2 ~ 8°C; protease inhibitors are stored at -20°C.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY