

Plant Plasma Membrane Protein Extraction Kit

Cat PE00008

Size 50T|100T

Shelf Life

1 year

Application

It is a high efficient and high yield plasma membrane protein extraction kit, which can extract plasma membrane proteins from various plants, and can be used for crude preparation of purified plasma membrane proteins and preparation of plasma membrane proteins. The extraction process is simple and convenient. The kit contains protease inhibitor mixture and phosphatase inhibitor mixture, which prevents the degradation of protein by protease, and provides guarantee for the extraction of high quality protein.

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

The proteins extracted in this kit are active proteins with natural protein conformation. This kit does not contain EDTA and is compatible with downstream applications such as metal chelation chromatography. The protein samples extracted in this kit contain a high concentration of salt components and are not directly used for 2D electrophoresis.

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 individual protease inhibitors; each inhibitor specifically inhibits one or more protease activities. The optimised composition of the mixture allows it to inhibit almost all essential protease activities.

Kit Composition

Plant plasma membrane protein extract A 25mL/50mL

Phytoplasmic membrane protein extract B 250µ/500µL

Membrane protein lysate C 10mL/20mL

Protease inhibitor mixture 100µL/200µL "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