Plant Protein Extraction Kit

Cat: BC3720
Size: 50T/100T
Validity: At least 1 year.

Kit Components:

Kit Components	50T	100T	Storage
lysate	50mL	100mL	2-8℃
Protease inhibitors(100×)	0.5mL	1mL	-20℃
PMSF(100×)	0.5mL	1mL	

Introduction:

This kit is used to extract total protein from plant tissue, the lysate in the kit contains protease inhibitors, the effect is mild, can quickly obtain total protein, can be used for western blot experiments and other basic research experiments, because contains the above enzyme inhibitors, can not be used to study protein kinase research. This product is only used for scientific research.

Protocols(*only for reference*):

1. Extraction of plant tissue protein

1) Take 100-200mg plant tissue into liquid nitrogen (it is best to stay overnight), and crush the plant tissue in the liquid nitrogen environment (the more crushed the better);
2) Add 1mL lysate (add 10μL protease inhibitor and 10μL PMSF), lysate at 4℃ for 20min, and shake once every 5min during this period;
3) Centrifuge at 4℃ at 14000 for 30min;
4) Absorb the supernatant into the new tube;

2. Protein quantification or denaturation for protein experiment.

(The extracted protein is recommended to be stored at -80℃, ready to use, to avoid repeated freezing and thawing, to avoid long-term storage.)

Notes:

1. During the experiment, all reagents need to be pre-cooled or melted to ensure the low temperature environment during the operation;
2. PSMF (toxic) is used now, because PMSF will degrade rapidly in an aqueous solution;