

## Brain tissue protein extraction kit

**Article number:** EX1601

**Specification:** 50T/100T

**Store:** 2-8°C (Store at 2-8°C before using protease inhibitor without lid, store at -20°C after using lid)

### Kit contents:

| Kit composition                         | 50T    | 100T      | Save  |
|---|--------|-----------|-------|
| Reagent A: Protein extract Solution A   | 6mL    | 12mL      | 2-8°C |
| Reagent B: protease inhibitor mixture B | 100μL  | 100μL×2   | -20°C |
| Instructions                            | 1 copy | 1 serving |       |

### Product description:

Brain tissue protein extraction kit provides a full set of reagents, suitable for extracting total protein from various animal solid brain tissue. This kit contains a unique formulation that effectively dissolves cell membrane components, including the plasma membrane, the nuclear membrane and various organelle membranes. The kit contains a protease inhibitor mixture that prevents protease from degrading the proteins and ensures the extraction of high purity proteins. The protein extracted from this kit can be used for WesternBlotting, protein electrophoresis, immunoprecipitation, ELISA, transcriptional activity analysis, Gelshift gel retardation test, enzyme activity determination and other downstream protein research experiments.

### Self-prepared reagents and instruments:

Centrifuge, oscillator, homogenizer/homogenizer, vortex mixer, pipette, refrigerator, ice box, PBS buffer, protein quantifying reagent box, centrifuge tube, suction tip, disposable gloves

### Product Features:

- 1, easy to use, shorten the time of protein extraction to 30 minutes -1 hour.
- 2, containing protein stabilizer, the extracted protein is stable.
- 3, UV detection of protein concentration, low background interference.

### How to use:

#### Steps to use:

1. Extraction solution preparation: 100μL reagent A plus 2μL reagent B, mix well and put on ice for use.
2. Take 50-100mg tissue sample and cut it with scissors, add 100μL protein extract, homogenize it with tissue homogenizer/homogenizer until there is no visible solid.
3. Inhale the tissue homogenate into a pre-cooled clean centrifuge tube and oscillate at 4°C for 10-30 minutes.
4. Centrifuge at 4°C, 14000×g, for 15 minutes.
5. Inhale the supernatant into another pre-cooled clean centrifuge tube to obtain the total protein of brain tissue.
6. The protein extract was quantified and divided into -80°C refrigerator for reserve or directly used in downstream experiment.

### Notes:

1. This kit is for scientific research only and is not intended for diagnosis or treatment.
2. It is best to use disposable suction heads, tubes, bottles or glassware, reusable glassware must be washed and thoroughly removed of residual cleaning agents before use.
3. After the completion of the experiment, all samples and contact utensils should be disposed of in accordance with the prescribed procedures.
4. Avoid skin or mucous membrane contact with the reagent

***Related products:***

*R0020 Normal RIPA Lysate (tissue/cell)*

*PR1910 Rainbow 180 Broad Spectrum Protein Marker (11-180KD)*

*PC0020 BCA protein concentration determination kit*

*P1020 1 x PBS Buffer (pH7.2-7.4)*

*P10405 5 x Protein Loading buffer (including DTT)*