

Adipose Tissue Protein Extraction Kit

Cat: EX1121

Size: 50T/100T

Storage: 2-8°C, (Store at 2-8°C before using protease inhibitor without lid, store at -20°C after using lid), Valid for 1 year.

Kit Components:

Kit Components	50T	100T	Storage
Reagent A: Lysate A	25mL	50mL	2-8°C
Reagent B: Protease Inhibitor Mixture B	100μL	200μL	-20°C
Filter Column (Including Collection Tube)	50	100	-20°C
Specification	1	1	

Introduction:

Adipose tissue protein extraction kit is suitable for extracting soluble total protein from adipose tissue and various solid tissues and cells with high fat content, such as adipose cells, fatty liver cells, brain, fat, fatty liver, connective tissue, thymus tissue and other animal tissues. The extraction process is simple, convenient and time consuming.

The kit contains a mixture of protease inhibitors, which prevents protease from degrading the protein and provides a guarantee for extracting high purity protein.

This kit contains a unique formula that dissolves cell membranes. The protein extracted from this kit can be used for downstream protein research experiments such as Western Blotting, protein electrophoresis, immunoprecipitation, ELISA, enzyme activity determination, etc.

The proteins extracted by this kit are active proteins with natural protein conformation.

EDTA is not present in this kit and is compatible with downstream applications such as metal chelation and chromatography.

Protocols:

1. Extract solution preparation:

Every 500μL of cold reagent A, add 2μL of reagent B, mix well and set aside on ice.

2. Protein extraction

- (1) Take 100-200mg tissue sample cut, add 500μL extraction solution, homogenize with a tissue homogenizer/homogenizer until there is no visible solid.
- (2) The tissue homogenate was sucked into a pre-cooled clean centrifuge tube and oscillated at 4°C for 15-30min.
- (3) The supernatant containing fat was sucked into the filter column, fitted with a liquid collection tube, and centrifuged at 4°C, 10000×g, for 5min.
- (4) The liquid in the liquid collection tube was sucked into another clean centrifuge tube and centrifuged at 4°C and 14000×g for 10min.
- (5) The supernatant is drawn into another clean centrifuge tube that is pre-cooled to obtain the

protein sample.

- (6) The protein extract was quantified and divided into -80°C refrigerator for reserve or directly used in downstream experiment.

Note:

1. This kit is intended 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, and reusable glassware must be washed and thoroughly removed of residual cleaners before use.
3. After completion, all samples and touched utensils should be handled in accordance with the prescribed procedures.
4. Avoid skin or mucous membranes coming into 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×PBS buffer (pH7.2-7.4)

P10405 5×Protein loading buffer (including DTT)