

For Research Use Only

Common Protease Inhibitor Cocktail (100X)

Catalog Number: PR20032



Description

Proteintech's Protease Inhibitor Cocktail contains a mixture of protease inhibitors including PMSF, E-64, Aprotinin, Bestatin, Leupatin, and Pepstatin. It mainly inhibits aminopeptidase, cysteine and serine proteases, serine/threonine and tyrosine proteases, aspartate proteases, thermophiles, and other metalloendopeptidases. The cocktail can effectively prevent protein degradation during extraction or lysis of primary cells, mammalian cultured cells, animal tissues, plant tissues, yeast, or bacteria. It can be used for multiple applications including protein purification, western blotting, immunoprecipitation, immunofluorescence, immunohistochemistry and other studies.

Components

It contains a mixture of protease inhibitors including PMSF, E-64, Aprotinin, Bestatin, Leupatin, and Pepstatin.

Package

2x0.5 mL/10x100 uL

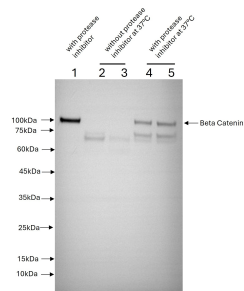
Storage

Store at -20°C for up to one year.

Notes

1. The protease content can differ across samples. Therefore, the amount of protease inhibitor cocktail can be adjusted according to the experimental situation.
2. This product is a highly concentrated solution. A small amount of precipitation may occur and, therefore, needs to be fully dissolved before use.
3. PMSF is very unstable in aqueous solution, so the cocktail should be added right before use.
4. For your safety and health, please wear a lab coat and disposable gloves.

Validation Data



HeLa cells were lysed using RIPA Buffer (PR20135) with and without protease inhibitor cocktail (PR20032). Cell lysates without (lane 2 and 3) and with (lane 1, 4 and 5) the protease inhibitor cocktail were either incubated at 37°C for 4 hours (lanes 2 and 4) or 4°C for 21 hours (lanes 3 and 5). Lysate used for lane 1 did not undergo prolonged... incubation. Following this incubation lysates were subjected to SDS-PAGE (5 ug protein/well) followed by western blot with anti-Beta Catenin (51067-2-AP).

For technical support and original validation data for this product please contact

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