

Product Name: Protease Inhibitor Cocktail (100×, EDTA-free)

Catalog No.: RA10066

Product Introduction

Cell crude extracts contain various endogenous enzymes such as phosphatases and proteases, which can degrade and modify proteins in the extracts and compromise the quality of protein preparations. Adding specific enzyme inhibitors is the optimal approach to maximize the yield of intact proteins.

This protease inhibitor cocktail is optimized for extracts from mammalian cells and tissues. Rigorously validated, it broadly inhibits serine proteases, cysteine proteases, acid proteases and aminopeptidases with comprehensive inhibitory activity. Formulated as a ready-to-use DMSO solution, it is easy to apply and compatible with a wide range of protein extraction experiments.

The product is a colorless to pale yellow liquid. It remains unfrozen at -20 °C for greater operational convenience. If crystals form during storage, shake well before use; this will not affect product performance.

Product Specification

Product name	Storage	Size 1
Protease Inhibitor Cocktail (100×, EDTA-free)	-20 °C	1mL

Transport with ice packs. Store at -20 °C. Shelf life: 12 months.

Instructions for Use

Dilute the product into the target solution at a volume ratio of 1:100 and mix thoroughly. For example, add 10 µL of this product to 1 mL of cell lysis buffer. The dosage can be adjusted appropriately according to the characteristics of different cell and tissue samples to meet experimental requirements.

Notes

1. This product is for research use only. It shall not be used for clinical diagnosis, treatment or other medical applications.
2. The recommended working dilution is 1:100. The dosage may be increased properly if high levels of endogenous proteases are present in samples.
3. This product does not contain EDTA. Add EDTA separately if required for your experiment.
4. Wear a lab coat and disposable gloves during operation for personal safety.