



YamayBio

Protease and Phosphatase Inhibitor Cocktail, EDTA-free (100×)

QUICK START GUIDE

For research use only.
Not for use in diagnostic procedures.

Contents and Storage

Protease and Phosphatase Inhibitor Cocktail, EDTA-free (100×)

BH5483 1 mL

Storage: Store at -20°C for 12 months. The product is shipped with ice packs.

Introduction

This formulation contains a carefully optimized mixture of protease and phosphatase inhibitors that prevents protein degradation by endogenous enzymes during extraction and purification. It is suitable for a wide range of applications, including protein purification, Western blotting, co-immunoprecipitation, immunofluorescence, immunohistochemistry, and kinase assays. The formulation is free of AEBSF, ensuring compatibility with mass spectrometry (MS).

Ingredient description

The formulation includes a variety of inhibitors, including aprotinin, bestatin, leupeptin, E-64, sodium fluoride, sodium orthovanadate, sodium pyrophosphate, and β -glycerophosphate.

Quick Start Protocol

1. Allow the bottle to equilibrate to room temperature.
2. Vortex thoroughly to ensure a homogeneous suspension.
3. Immediately before use, add the cocktail to the cell lysate or extract at a 1:100 (v/v) dilution to achieve a final 1X concentration.

Note:

1. Protease and phosphatase levels may vary depending on the sample source; while a 1:100 dilution is generally recommended, the concentration may be increased for samples with high enzymatic activity.
2. This product does not contain EDTA; add EDTA if required.
3. This product does not include Pepstatin A. If inhibition of acidic proteases is needed, please add Pepstatin A separately.
4. Due to the high concentration of the product, slight crystalline precipitates may form during long-term storage. This is normal and does not affect performance.