

Protease inhibitor mixture (for bacterial extraction, 100X)

Item No. : P6734

Specification: 100T

Store: -20°C away from light, valid for 12 months. Store at 2-8°C for 2 months; Store at room temperature, effective for 2 weeks.

Product composition:

Product name	Specifications	Save
Protease inhibitor mixture (for bacterial extraction, 100X)	1mL	-20°C to avoid light
0.1M EDTA, pH 8.0	1mL	RT

Product Description:

Bacterial extract contains many endogenous protease, phosphatase, etc., which is easy to lead to protein degradation or modification in the extract, thus affecting the subsequent protein detection. Therefore, adding appropriate protease, phosphatase and other inhibitors in the extract is an effective way to prevent protein degradation and demodification.

This product is an optimized and tested mixture of protease inhibitors for bacterial protein extraction, comprising a broad spectrum of serine, cysteine and acid protease inhibitors, as well as aminopeptidase inhibitors. The protease inhibitor mixture (for bacterial extraction, 100X) and 0.1M EDTA were added to the lysate at a ratio of 1:100, respectively, which could be used for bacterial protein extraction and effectively inhibit protein degradation.

Application Scope:

Inhibit various protease activities in bacterial extracts, such as serine protease, aminopeptidase, cysteine protease, threonine and aspartate protease, metalloproteinase, etc.

How to use (for reference only) :

1. Protease inhibitor mixture (bacterial extraction, 100X), when used in accordance with the ratio of 1:100 to add to the lysate, mix can be used. The lysate containing protease phosphatase inhibitor mixture should be used now, and should not be frozen after preparation for subsequent use.
2. According to needs, 0.1M EDTA is also added to the lysate in a ratio of 1:100.

Related Literature:

- [1] Maojian Chen,Chao Ou,Chun Yang,et al. A novel animal model of induced breast precancerous lesion in tree shrew. Biological and Pharmaceutical Bulletin. September 2018. (IF 1.694)
- [2] Xin Deng,Laijun Song,Wen Zhao,et al. Corrigendum: HAX-1 Protects Glioblastoma Cells From Apoptosis Through the Akt1 Pathway. Cell. Neurosci. January 2019. (IF 4.289)
- [3] Nanquan Rao,Xiaotong Wang,Yue Zhai,et al. Stem cells from human exfoliated deciduous teeth ameliorate type II diabetic mellitus in GotoKakizaki rats. Diabetology & Metabolic Syndrome. February 2019. (IF 2.361)

Note: For more information on the use of this product, please refer to the Solarbio website.