

## ***ProteinSafe*<sup>™</sup> Protease Inhibitor Cocktail, EDTA-free (100×)**

Cat. No. DI101

Storage: at -20°C for one year

### Description

*ProteinSafe*<sup>™</sup> Protease Inhibitor Cocktail, EDTA-free (100×) is a ready-to-use mixture of six protease inhibitors (AEBSF, Aprotinin, Bestatin, E-64, Leupeptin, and Pepstatin A) that has been optimized to protect proteins from being digested by endogenous proteases, including serine protease, cysteine protease, aminopeptidase and aspartic acid protease. This cocktail is suitable for use in protein purification, Western Blot, Co-IP, ChIP, protein kinase activity assay, etc. The cocktail does not contain EDTA (a metalloprotease inhibitor), which is incompatible with some downstream applications (i.e. protein assays, 2D electrophoresis, etc.).

### Highlights

- All-in-one format: a mixture of broad-spectrum protease inhibitors to prevent proteolytic degradation.
- Ready to use: no need to thaw and dissolve the cocktail, just use directly.
- Compatibility: compatible with most of protein lysis buffers composed of detergent and do not interfere with protein quantitation.

### Kit Content

Component	DI101-01	DI101-02
<i>ProteinSafe</i> <sup>™</sup> Protease Inhibitor Cocktail , EDTA-free (100×)	500 µl	1 ml

### Procedures

- Briefly vortex the Protease Inhibitor Cocktail (100×) before use to ensure a homogeneous suspension.
- Immediately before use, dilute the cocktail at 1:100(v/v) with lysis buffer to produce a 1× working concentration.

### Notes

- This cocktail is generally effective when used at a 1× final concentration. However, samples with high levels of proteases might require a more concentrated treatment (i.e., 2-3×).
- If the inhibition of phosphatases is required, please use *ProteinSafe*<sup>™</sup> Phosphatase Inhibitor Cocktail (DI201) along with this cocktail.
- The cocktail should be stored at -20°C for long term storage or at 2-8°C if used within a short time.

