

## ProteinSafe™ Phosphatase Inhibitor Cocktail (100×)

Cat. No. DI201

Storage: at 2-8°C for one year (avoid freezing).

### Description

*ProteinSafe*™ Phosphatase Inhibitor Cocktail (100×) is a ready-to-use mixture of four phosphatase inhibitors (sodium fluoride, sodium pyrophosphate, β-glycerophosphate, and sodium orthovanadate) that has been optimized to protect proteins from being dephosphorylated by endogenous phosphatases, including serine/threonine, tyrosine, acidic and alkaline phosphatases. This cocktail is suitable for use in protein purification, Western Blot, Co-IP, ChIP, protein kinase activity assay, etc.

### Highlights

- All-in-one format: a mixture of broad-spectrum phosphatase inhibitors to prevent protein dephosphorylation.
- 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	DI201-01	DI201-02
<i>ProteinSafe</i> ™ Phosphatase Inhibitor Cocktail (100×)	500 μl	1 ml

### Procedures

- Briefly vortex the Phosphatase 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 phosphatases might require a more concentrated treatment (i.e., 2-3×).
- If the inhibition of proteases is required, please use *ProteinSafe*™ Protease Inhibitor Cocktail (DI101 or DI111) along with this cocktail.

**For research use only, not for clinical diagnosis.**

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