

## EZBlock™ Protease Inhibitor Cocktail XIII, EDTA & Animal-Free

**CATALOG NO:** K222-1, set 1 vial, 5 x 1 vial

**FORM:** Lyophilized

**STORAGE:** -20 °C. Hygroscopic

**STABILITY:** Stock solution stable at -20 °C for 1 month

**DESCRIPTION:** A cocktail of six broad specificity protease inhibitors (see table below) that can provide maximal protection to prevent degradation of proteins in mammalian cell/tissue extracts as well as plant and bacterial cell extracts by inhibition of various serine, cysteine, aspartic proteases and aminopeptidases. This cocktail is EDTA-free and Animal-free making it broadly applicable for any downstream application that is affected by the presence of metal chelators or animal-derived reagents.

**USE:** Can be reconstituted in 1 ml DMSO, deionized water, aqueous buffer or media of choice. 1 ml cocktail is recommended for 20 g tissue. The working concentration should be optimized for each individual application.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

Protease Inhibitor	M.W.	Target Protease	Concentration in the vial
AEBSF, HCl (Cat#1644)	239.7	Serine proteases	100 mM
Recombinant Aprotinin (Cat. No. 7866)	6512	Broad spectrum, serine proteases	80 µM
Bestatin (Cat#1733)	308.4	Aminopeptidases	5 mM
E-64 (Cat#1739)	357.4	Cysteine Proteases	1.5 mM
Leupeptin (Cat#1648)	475.6	Serine/Cysteine proteases	2 mM
Pepstatin A (Cat#1732)	685.9	HIV proteases, Aspartic proteases, Acid proteases	1 mM

### RELATED PRODUCTS:

AEBSF, HCl (Cat. No. 1644-200, 1G)

Aprotinin (Cat. No. 4690-5, 100, 1000)

Bestatin (Cat. No. 1733-25, -100)

Calyculin A (Cat. No. 1562-025)

E-64 (Cat. No. 1739-5, 25)

EZBlock Protease Inhibitor Cocktail, EDTA-Free (Cat. No. K272-1, -5, set)

EZBlock™ Protease Inhibitor Cocktail II (Cat. No. K277-set)

EZBlock™ Protease Inhibitor Cocktail III (Cat. No. K278-set)

EZBlock™ Protease Inhibitor Cocktail IV (Cat. No. K279-1, set)

EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (Cat. No. K290-1, set)

EZBlock™ Protease Inhibitor Cocktail XII, EDTA-free, Animal-free (Cat. No. K221-1, set)

EZBlock™ Protease Inhibitor Cocktail VI, General Use (Cat. No. K291-1, set)

EZBlock™ Protease Inhibitor Cocktail VII (Cat. No. K292-1, set)

EZBlock™ Protease Inhibitor Cocktail VIII (Cat. No. K293-1, set)

EZBlock™ Protease Inhibitor Cocktail IX (Cat. No. K294-1, set)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (Cat. No. K283-1, set)

EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (Cat. No. K284-1, set)

EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (Cat. No. K290-1, set)

Leupeptin, Hemisulfate (Cat. No. 1648-25, 50, 100)

Pepstatin A (Cat. No. 1732-25, 100)

Protease Inhibitor Cocktail (Cat. No. K271-500)

**FOR RESEARCH USE ONLY! Not to be used on humans.**