



Proti-Ace - tube format - 1/ea

Limited proteolysis, in situ proteolysis, and proteolytic screening of protein samples for crystallization and structure determination

Product codes:

Reference: HR 2429



Product gallery:



Product description:

- Proti-Ace proteases
 - alpha-Chymotrypsin
 - Trypsin
 - Elastase
 - Papain
 - Subtilisin
 - Endoproteinase Glu-C
- Proti-Ace 2 proteases
 - Proteinase K
 - Clostripain (Endoproteinase-Arg-C)
 - Pepsin
 - Thermolysin
 - Bromelain
 - Actinase E
- Optimized, stable, freeze dried protease formulation

A proteolytic fragment or domain of a protein may crystallize more readily or form better diffracting crystals than the intact protein.¹⁻⁸

Proteases can be used to generate small, active fragments or domains of the target protein for



crystallization.⁹ The fragment or domain can be used directly for crystallization experiments. Or the proteolytic sample analyzed by gel electrophoresis and/or mass spectrometry for mass and sequence for subsequent cloning, expression, purification and crystallization. Using proteolysis to enhance sample crystallization, the current overall success rate for yielding a deposited crystal structure is currently better than 12%.³

Proti-Ace (HR2-429) contains three aliquots of 6 unique proteases (α -Chymotrypsin, Trypsin, Elastase, Papain, Subtilisin and Endoproteinase Glu-C) and six aliquots of Proti-Ace Dilution Buffer. Each protease is supplied in a stable, lyophilized format in an optimized digest buffer. Simply add water when ready to use.

Proti-Ace 2 (HR2-432) contains three aliquots of 6 unique proteases (Proteinase K, Clostripain (Endoproteinase-Arg-C), Pepsin, Thermolysin, Bromelain and Actinase E) and six aliquots of Proti-Ace Dilution Buffer. Each protease is supplied in a stable, lyophilized format in an optimized digest buffer. Simply add water when ready to use.

The unique freeze dried formulation of the Proti-Ace kits offers a much improved protease stability compared to liquid protease formulations.

Per maggiori informazioni visita il sito <https://hamptonresearch.com/>

Product features:

CRF - TIPO: Proti-Ace - Proti-Ace 2