

# Proteinase K

Cat# ER1003 – 100 mg

Storage at -20 °C

## INTRODUCTION

**Proteinase K** is a stable serine protease with broad substrate specificity. It degrades many proteins in the native state even in the presence of detergents. Proteinase K was isolated from a fungus able to grow on keratin and the enzyme can digest native keratin (hair), hence, the name "Proteinase K". The predominant site of cleavage is the peptide bond adjacent to the carboxyl group of aliphatic and aromatic amino acids with blocked alpha amino groups. **Proteinase K** is used for the destruction of proteins in cell lysates (tissue, cell culture cells) and for the release of nucleic acids.

## APPLICATION

DNA/RNA Experiment, for DNA/RNA Isolation

## Stock and Working concentration

Stock Conc. : 10-20 mg/mL

Working Conc. : 10-100 µg/mL

## PRODUCT USE LIMITATION

These products are intended for research use only.