

Proteinase K

Cat. #: C0113 Size: 500 mg/1 g

Introduction

Proteinase K is an active serine protease. It has nonspecific cleavage activity on a broad range of substrates including native and denatured proteins. Proteinase K is highly stable in the presence of denaturing agents, such as SDS and urea, and under a wide range of pH, temperature, and salt conditions. It is active between pH4 and 12, and between 0 and 75°C.

Package Information

Component	C0113-05	C0113-10
Proteinase K	500 mg	2×500 mg

Storage

At -20°C; Do not store in frost-free freezer

Specifications

1. Molecular Weight: 28.93 g/mol
2. Form: Lyophilized powder
3. Purity: >95% by native PAGE
4. Source: Recombinant proteinase K from tritirachium album, produced in yeast
5. Grade: Molecular biology
6. Units/mg protein: >40

Applications

Proteinase K is used to rapidly inactivate endogenous nucleases such as RNases and DNases when isolating RNA or DNA from tissues and cell lines. This enzyme can also be used to remove nucleases in the preparation of tissue sections for in situ hybridization.