

Proteinase K

Cat. No. : CW2584S(10 mg)
CW2584M(100 mg)

Shipping and Storage : 4-30°C

Components

Component	CW2584S	CW2584M
	10 mg	100 mg
Proteinase K	10 mg	100 mg
Proteinase K Storage Buffer	1.25 mL	5 mL

Principle

Proteinase K(proteinase K) is a subtil-like protease with serine as the active center. It has a wide range of substrate specificity, especially the decomposition of cool bonds and brain bonds adjacent to the C-terminus of hydrophobic amino acids, sulfur-containing amino acids and aromatic amino acids. It can be used to decompose proteins under a variety of different salts, denaturants, detergents, pH values and temperatures. It has high activity in the buffer for extracting DNA and RNA, and is mainly used for the digestion of proteins in the process of DNA and RNA preparation.

Preparation and important notes before the experiment

1. Add the specified amount of Proteinase K Storage Buffer to Proteinase K to dissolve it.

The concentration of Proteinase K was 20mg/mL.

Cat. No.	CW2584S	CW2584M
Proteinase K	10 mg	100 mg
Proteinase K Storage Buffer	500 uL	5 mL

2. The incubation temperature is 25°C-65°C, the ideal incubation temperature is 58°C, and the incubation time is 15 minutes to 48 hours: the ideal incubation time is 2 hours.
3. The prepared Proteinase K should not be placed at room temperature for a long time to avoid repeated freezing and thawing, so as not to affect its activity. Long-term storage at -20°C.