

Product components

Components	Component number	Size-1	Size-2
		10 RXN(100 µL/RXN)	24 RXN(100 µL/RXN)
Proteinase K (20 mg/mL)	RM20713	10 µL	24 µL

Product Description

Protease K (E.C.3.21.64) is a serine protease produced by *Tritirachim Album Limber*. This product has wide applicability and can maintain high reactivity under conditions of 20 °C -60 °C and pH=7.6-12.0. When reaction solution contains 2% SDS and 4 M urea, reaction activity of protease K will increase. Calcium ions are important for the thermal stability of protease K, but they won't affect enzyme catalytic activity. Therefore, protease K can maintain activity in a buffer containing chelating agents such as EDTA.

Concentration

20 mg/mL

Source

The protease K gene, derived from *Tritirachim Album Limber* gene, is expressed and purified in *Pichia pastoris*.

Store

2-8°C for 18 months, -20°C for three years

Transportation

Dry ice, or dry ice combined with ice packs for Long-distance transportation. Do not use ice packs for long-distance transportation.