



Recombinant Protease K (Lyophilized Powder)

Product Information

Cat#	MDE-002
Specification	100 mg, 1 g, 5 g, 10 g, 100 g, 1 kg
Description	Proteinase K, derived from Tritirachium album, non-specifically cleaves peptide bonds adjacent to aliphatic and aromatic amino acids. It exhibits strong proteolytic activity in DNA/RNA extraction buffers and is essential for plasmid and genomic nucleic acid isolation.
Applications	Suitable for the lyophilization process in molecular diagnostic kits, used for pathogen detection and nucleic acid extraction.
Form	White/pale yellow powder
Species	Tritirachium album Limber
Source	Bacillus subtilis
Purity	95% by SDS-PAGE
Buffer	20 mM Tris-HCl, 200 mM NaCl, 0.02–0.2% NaN ₃ , 50% glycerol, pH 8.4. After preparation, the solution must be sterilized by filtration using a 0.22 µm filter.
Storage	Store at 2-8 °C; if not used for an extended period, store at -20 °C. Keep lyophilized powder sealed to prevent moisture absorption.
Notes	<p>Dissolve the dry powder in the recommended diluent to prepare a proteinase K solution at a concentration of 20-50 mg/mL. Sterilize the solution by filtering it through a 0.22 µm filter, then transfer it to a sterile container.</p> <p>If the proteinase K solution is to be used repeatedly, it must be aliquoted and stored under sterile conditions. For long-term storage, it is recommended to store the solution at -20°C.</p> <p>For your safety and health, please wear a lab coat, disposable gloves, and a mask during operation.</p> <p>It is recommended to use filter membranes made of polyethersulfone (PES) or polyvinylidene fluoride (PVDF), which have low protein-binding properties, for all</p>



Creative Enzymes

Diagnostic Enzymes

Recombinant Protease K (Lyophilized Powder)

sterilization processes.

Tel: 1-631-562-8517 1-516-512-3133

Email: info@creative-enzymes.com

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA