



# Creative Enzymes

Diagnostic Enzymes

## Proteinase K (Liquid for mNGS)

### Product Information

<b>Cat#</b>	MDE-003
<b>Specification</b>	1 mL, 5 mL, 100 mL, 1000 mL
<b>Description</b>	Proteinase K is a serine protease with broad substrate specificity, preferentially cleaving near hydrophobic, sulfur-containing, and aromatic amino acids. It contains the catalytic triad Asp39-His69-Ser224 and two Ca <sup>2+</sup> -binding sites that enhance stability. This mNGS-grade version features reduced nucleic acid residues, ensuring higher accuracy in metagenomic sequencing applications.
<b>Applications</b>	Specifically designed for metagenomic sequencing (mNGS) sample processing, efficiently lysing host cells and removing proteins.
<b>CAS No.</b>	39450-01-6
<b>Activity</b>	≥ 800 U/mL
<b>Unit Definition</b>	One unit is defined as the amount of enzyme required to hydrolyze casein to produce 1 μmol of L-tyrosine per minute under specified conditions.
<b>Storage</b>	Store at 2-8 °C for 24 months.

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