

# EZSolution™ Proteinase K

04/21

<b>CATALOG NO:</b>	9252-5            5 ml 9252-25          25 ml 9252-100        100 ml
<b>ALTERNATE NAMES:</b>	Protease K, Endopeptidase K, Tritirachium alkaline proteinase
<b>MOL. WT.</b>	28.9 kDa
<b>ACCESSION NO:</b>	P06873
<b>PURITY:</b>	≥ 99% by SDS-PAGE (Native PAGE and SDS PAGE assay)
<b>SOURCE:</b>	<i>Tritirachium album</i> , recombinant
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Recombinant Proteinase K is dissolved in 10 mM Tris-HCl (pH 7.5), 1 mM calcium chloride and 50% glycerol and provided at a concentration of 20 mg/ml.
<b>SPECIFIC ACTIVITY:</b>	≥ 30 units/mg
<b>UNIT DEFINITION:</b>	One unit is defined as the amount of enzyme that will liberate 1 μmol of tyrosine per minute at 37 °C, pH 7.5.
<b>DNAses &amp; RNAses</b>	Not detected
<b>STORAGE CONDITIONS:</b>	Divide into small aliquots and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.
<b>DESCRIPTION:</b>	A serine protease that displays the ability to digest native proteins, thereby inactivating enzymes such as DNase and RNase without recourse to a denaturation process. It is useful for a variety of applications such as isolation of DNA and RNA, preparation of chromosomal DNA, etc. It retains its activity in the presence of SDS and urea. It is inactivated by diisopropyl fluorophosphates (DFP) and phenyl methane sulfonyl fluoride (PMSF).
<b>RELATED PRODUCTS:</b>	<ul style="list-style-type: none"> <li>Proteinase K, Recombinant, Molecular Grade (Cat. No. 9210)</li> <li>Proteinase K (20 mg/ml Solution), Molecular Grade (Cat. No. 9211)</li> <li>Proteinase K, Recombinant, Standard Grade (Cat. No. 9250)</li> <li>Proteinase K, Recombinant ( 20 mg/ml Solution), Standard Grade (Cat. No. 9251)</li> <li>Protease Activity Fluorometric Assay Kit (Cat. No. K781)</li> <li>EZBlock™ Protease Inhibitor Cocktail, EDTA-Free (Cat. No. K272-1, 5, set (5 x 1ml))</li> </ul>

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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