

## Certificate of Analysis

<b>PRODUCT:</b>	<b>Proteinase K (Recombinant) Solution, Molecular Biology Grade [Endopeptidase K]</b>
<b>PRODUCT NUMBER:</b>	P-1264-SOL
<b>LOT NUMBER:</b>	L1281
<b>APPEARANCE:</b>	Clear, colorless liquid
<b>DESCRIPTION:</b>	Proteinase K from <i>Parengyodontium album</i> ( <i>Tritirachium album</i> ) is a subtilisin-related serine protease. It is a broad spectrum endopeptidase with very high specific activity. It is widely used for digestion of proteins, including DNases and RNases, during nucleic acid preparations without compromising integrity of isolated DNA and RNA. Proteinase K is active under wide range of reaction conditions, including elevated temperatures and presence of SDS. This recombinant enzyme is expressed in <i>Pichia pastoris</i> , and undergoes extensive purification to yield the highest quality product.
<b>CONCENTRATION:</b>	20 mg/ml
<b>SPECIFIC ACTIVITY:</b>	≥ 800 U/ml
<b>DNA CONTENT:</b>	≤ 0.25 pg/U
<b>BIOBURDEN:</b>	≤ 1 CFU/ml
<b>EXONUCLEASES:</b>	Not Detectable
<b>ENDONUCLEASES:</b>	Not Detectable
<b>RIBONUCLEASES:</b>	Not Detectable
<b>STORAGE &amp; HANDLING:</b>	Store solution at -20°C CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS