



Native ritirachium album limber Proteinase K (DAG-WT1832)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Conjugate	N/A
Applications	N/A
Bio-activity	>30 U/mg
Format	Solid
Size	100 mg
Buffer	50mM Tris-HCl, pH7.5, 10mM CaCl ₂
Preservative	None
Storage	Store at 2 to 8°C
Ship	Wet ice

BACKGROUND

Introduction	In molecular biology Proteinase K (also protease K or endopeptidase K) EC 3.4.21.64 is a broad-spectrum serine protease. The enzyme was discovered in 1974 in extracts of the fungus <i>Engyodontium album</i> (formerly <i>Tritirachium album</i>). Proteinase K is able to digest native keratin (hair), hence, the name "Proteinase K". The predominant site of cleavage is the peptide bond adjacent to the carboxyl group of aliphatic and aromatic amino acids with blocked alpha amino groups. It is commonly used for its broad specificity. This enzyme belongs to Peptidase family S8. The molecular weight of Proteinase K is 28,900 daltons (28.9 kDa).
Keywords	Ritirachium album limber; Proteinase K