Creative Enzymes®

Proteinase K from Tritirachium album limber, Recombinant

Cat. No. NATE-1240

Lot. No. (See product label)

Introduction

Description	Proteinase K is a stable and highly reactive serine protease. Evidence from crystal and molecular structure studies indicates the enzyme belongs to the subtilisin family with an active-site catalytic triad (Asp39-His69-Ser224). It is stable in a broad range of environments:pH, buffer salts, detergents (SDS), and temperature. In the presence of 0.1-0.5% SDS, proteinase K retains activity and will digest a variety of proteins and nucleases in DNA preparations without compromising the integrity of the isolated DNA.
Synonyms	Proteinase K; EC 3.4.21.64; Tritirachium alkaline proteinase; Tritirachium album serine proteinase; Tritirachium album proteinase K; endopeptidase K; 39450-01-6; protease K

Product Information

Species	Tritirachium album limber
Source	Pichia pastoris
Form	Powder
CAS No.	39450-01-6
Purity	> 95%
Activity	> 30U/mg
Thermal stability	25°C~65°C
Optimum temperature	58°C
Buffer	20mM Tris-HCl (pH 7.4~8.0)，1mM $CaCl_2$, 50% glycerol

Storage and Shipping Information

Storage	4°C~-20°C