



# Recombinant Fungi Proteinase K (DAG2558)

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

## PRODUCT INFORMATION

|                  |   |
|------------------|---|
| Product Overview | Recombinant Proteinase K Protein            |
| Species          | Fungi                                       |
| Purity           | Protein                                     |
| Conjugate        | Unconjugated                                |
| Format           | Lyophilized.                                |
| Concentration    | Please see the vial label for concentration |
| Preservative     | None  |
| Storage          | 2-8°C short term, -20°C long term           |

## 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     | Proteinase K; protease K; endopeptidase K; EC 3.4.21.64; Proteinase K protein  |