Proteinase K

Catalogue No.:abx098140

Proteinase K is a recombinant enzyme expressed in yeast. It is widely used for digestion of proteins in nucleic acid samples.

Target:	Proteinase K
Expression:	Recombinant
Tested Applications:	SDS-PAGE
Host:	Yeast
Recommended dilutions:	Molecular biology applications: 50-100 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE) Free from DNase and RNase.
Storage:	Store at -20 °C for up to 1 year. Avoid repeated freeze/thaw cycles.
Enzyme Commission Number:	3.4.21.64
Molecular Weight:	29 kDa
Buffer:	PBS, 10 mM Tris-HCl, pH 7.5, containing 5 mM $CaCl_2$ and 50% glycerin.
CAS Number:	39450-01-6
Biological Activity:	≥ 30 U/mg 1 Unit (U) is defined as the amount of Proteinase K required to produce 1 µmol of Folin-positive amino acids using hemoglobin as the substrate, in 1 min at 37 °C.
Concentration:	10 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.
Directions for use:	Effective pH range: 4-12.5 Optimal pH range: 7.5-8.0 Optimal reaction temperature: 50-55 °C

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com