

Proteinase K (20 mg/ml Solution), Molecular Grade

ALTERNATE NAMES:	Protease K, Endopeptidase K, <i>Tritirachium</i> alkaline proteinase, Molecular Grade Proteinase K
CATALOG NO.:	9211 - 5, -25, -100
AMOUNT:	5 ml, 25 ml, 100 ml
SOURCE:	<i>Tritirachium album limber</i> gene, recombinant
MOL. WEIGHT:	28.9 kDa
FORM:	Liquid. Recombinant Proteinase K dissolved in water to a final concentration of 20 mg/ml.
ACTIVITY:	≥ 30 units/mg
UNIT DEFINITION:	One unit is defined as the amount of enzyme that will liberate 1 μmol of tyrosine per minute at 37°C, pH 7.5
PURITY:	>99% (Native PAGE and SDS PAGE assay), Molecular Biology Grade, RNase/DNase free
DNases and RNases:	Not detected
STORAGE CONDITIONS:	Store at -20°C. Aliquot the product to avoid repeated freezing/thawing cycles.
DESCRIPTION:	A serine protease that displays the ability to digest native proteins, thereby inactivating enzymes such as DNase and RNase without recourse to a denaturation process. It retains its activity in presence of SDS and urea. It is inactivated by diisopropyl fluorophosphates (DFP) and phenyl methane sulfonyl fluoride (PMSF).
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Protease Activity Assay kit (**Cat. No. K781-100**)
- Protease Inhibitor Cocktail (**Cat. No. K271-500**)
- EZBlock™ Protease Inhibitor Cocktail, EDTA-Free (**Cat. No. K272-1EA**)
- EZBlock™ Protease Inhibitor Cocktail II (**Cat. No. K277-1EA**)
- EZBlock™ Protease Inhibitor Cocktail III (**Cat. No. K278-1EA**)
- EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1**)
- EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1EA**)
- EZBlock™ Protease Inhibitor Cocktail, EDTA-Free (**Cat. No. K272-1,5**)
- EZBlock™ Universal Protease & Phosphatase Inhibitor Cocktail (**Cat. No. K283-1**)
- EZBlock™ Universal Protease & Phosphatase Inhibitor Cocktail (**Cat. No. K283-1EA**)
- EZBlock™ Universal Protease & Phosphatase Inhibitor Cocktail, EDTA-Free (**Cat. No. K284-1**)
- EZBlock™ Universal Protease & Phosphatase Inhibitor Cocktail, EDTA-Free (**Cat. No. K284-1EA**)
- Mini Brochure: Protease & Phosphatase Inhibitor Cocktails (**Cat # BVBPPIC-2011**)

FOR RESEARCH USE ONLY! Not to be used on humans.