

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

CATALOG NO:	9251-5 5 ml 9251-25 25 ml 9251-100 100 ml
ALTERNATE NAMES:	Proteinase K Endopeptidase K Tritirachium alkaline proteinase Protease K Standard Grade Proteinase K
SOURCE:	<i>Pichia pastoris</i> , Recombinant
PURITY:	>90%
FORM:	Recombinant Proteinase K dissolved in water to a final concentration of 20 mg/ml
SPECIFIC ACTIVITY:	≥25 U/mg
UNIT DEFINITION:	One unit will hydrolyze urea-denatured hemoglobin to produce color equivalent to 1.0 umole (181ug) of tyrosine per minute at pH 7.5 at 37°C.
STORAGE CONDITIONS:	Store at -20°C. Aliquot the product after reconstitution 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). It is not inhibited by iodoacetic acid, the trypsin-specific inhibitor TLCK, the chymotrypsin-specific inhibitor TPCK, and p-chloromercuribenzoate.
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Proteinase K, Recombinant, Standard Grade (Cat. No.9213)
- Protease Inhibitor Cocktail (Cat. No. K271-500)
- EZBlock Protease Inhibitor Cocktail, EDTA-Free (Cat. No. K272-1EA)
- Proteinase K, Recombinant, Molecular Grade (Cat. No. 9210)
- Protease Activity Assay kit (Cat. No. K781-100)
- Proteinase K, Recombinant, 20 mg/ml Solution, Molecular Grade (Cat. No. 9211)

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