

CERTIFICATE OF ANALYSIS

PRODUCT:	Proteinase K, Recombinant [Endopeptidase K], [<i>Tritirachium album Limber</i>] M.W. 28.9 kDa
PRODUCT NUMBER:	P-1263
LOT NUMBER:	J1188
APPEARANCE:	Lyophilized solid
ACTIVITY:	1.07 kU/mg
PURITY:	> 99%
SOLUBILITY:	Soluble in Water
UNIT DEFINITION:	One unit is defined as the amount of protease that cleaves the FITC-labeled casein substrate to yield an amount of fluorescence equivalent to 1.0 nmol of unquenched FITC per minute at 37°C, pH 8.0.
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).
RNase ACTIVITY:	None detected
DNase ACTIVITY:	None detected
STORAGE & HANDLING:	Store desiccated at -20°C. Avoid freezing/thawing cycles <u>WARNING: HARMFUL! IRRITANT!</u>

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: SK