



Certificate of Analysis

Proteinase K

Catalog Number: PK1001
Lot Number: 0720001
CAS Number: 39450-01-6
Synonym(s): Peptidase K, Endoproteinase K, Endopeptidase K
EC Number: 3.4.21.64
Source: Produced by recombinant protein expression
Molecular Weight: 29.3 kDa
Storage: -20°C
Date of Manufacture: July 1, 2020
Retest Date: July 7, 2022

Test	Specification	Result
Appearance	White to off-white lyophilized powder	Conforms
Purity	≥ 98%	99.1%
Activity	≥ 30.0 U/mg powder	42 U/mg powder
Specific Activity	≥ 40.0 U/mg protein	55 U/mg protein
DNase	Not detected	Conforms
RNase	Not detected	Conforms
Application: Stock solution can be prepared as a 20-40mg/mL solution in 50mM Tris-HCl (pH 7.5), 3mM CaCl ₂ , 50% Glycerol.		

Approved by:
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Date: July 20, 2020