

Certificate of Analysis



PRODUCT: Proteinase K

CAT. NO.
GE201

AMOUNT
20 mg

LOT NUMBER
P20630

SHELF LIFE
One year

STORAGE CONDITIONS
At room temperature for one year

SHIPPING CONDITIONS
At room temperature

DESCRIPTION

Proteinase K is a nonspecific serine protease that will hydrolyze a variety of peptide bands.

Proteinase K is active in a broad range of temperature and buffers. It cannot be inactivated by metal ions, chelating agents (e.g., EDTA), or detergents such as SDS.

- Active in a wide range of buffers and pH value.
- Incubation temperature: 55-65°C; optimal temperature: 58°C.
- Incubation time: 15 minutes to 48 hours; optimal incubation time: 2 hours.

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QUALITY CONTROL DATA

Assay	Standard	Result
Appearance	White powder. The reconstituted solution is clear without precipitates or flocs, and the color is not evidently different from that of the control batch.	Meets standards
Genomic DNA Extraction	① Can effectively extract genomic DNA.	Meets standards
	② The genomic DNA extraction concentration and purity using this batch of products are the same as or comparable with those of the control batch of products (agarose gel electrophoresis, OD measurement).	Meets standards
Protein-degrading Ability	After the products are incubated with 15 μ g BSA at 37°C for 1 hour, BSA can be effectively degraded.	Meets standards



Notice to Purchaser

All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

TransGen Biotech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of TransGen Biotech Co., Ltd.

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A handwritten signature in black ink that reads "Heng Zheng".

Manager, Quality Control Department

2/7/2021