

PROTEINASE K

RECOMBINANT



A&A BIOTECHNOLOGY

Proteinase K

A&A Biotechnology is proud to offer in house produced, recombinant, DNA free, Proteinase K of a highest available purity grade at extremely attractive pricing.

Enzyme description

Proteinase K is one of the most active endopeptidases ever known. This serine-like protease exhibits extremely effective degradation of both native and denatured proteins. Proteinase K is widely recommended for quick deactivation of endogenous RNAses and DNAses within the first steps of nucleic acids isolation.

We produce recombinant Proteinase K possessing endopeptidase activity identical to market available products from world leading competitors. The enzyme is fully compatible with a wide portfolio of A&A Biotechnology and other vendors DNA/RNA isolation kits.

Advantages

- Highest quality due to unprecedented purity grade
- Totally DNA / RNA free enzyme, dedicated to applications sensitive to exogenous nucleic acids
- DNase and RNase free product
- We are a direct producer and offer highest grade enzyme at low cost

Products

Lyophilisate

Proteinase K 1 g	Cat # 1019-1L
Proteinase K 250 mg	Cat # 1019-250L
Proteinase K 100 mg	Cat # 1019-100L
Proteinase K 25 mg	Cat # 1019-25L

Ready-to-use solution

Proteinase K (20 mg/ml) 1 ml	Cat # 1019-20
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A&A Biotechnology guarantee the following stability of high purity proteinase K formulations:

solution - no change in activity for 1 year, Stored at +4 °C

powder - no change in activity for 2 years, stored at +4 °C

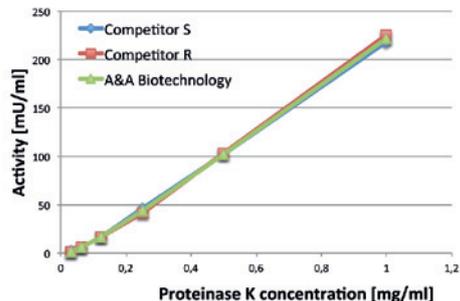
We offer custom formulations for either solution aliquots or lyophilised powder portions within wide range of masses. Custom packing is available in a variety of vials, and bottles or even customer's own containers.

Ordering

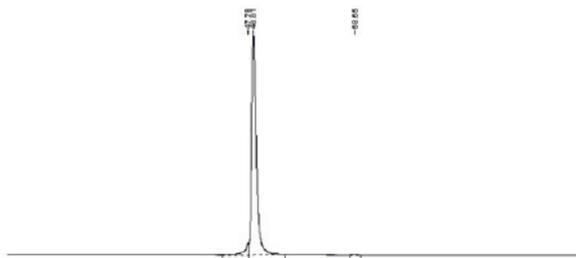
free samples available!

orders@aabiotech.com, +48 58 6982194, www.aabiotech.com

Endopeptidase activity comparison of commercially available Proteinases K versus A&A Biotechnology Proteinase K.



HPLC Gel-filtration of Proteinase K



Detection: UV @ 280 nm

Sample volume: 0.1 mL Proteinase K (1 mg/ml) (retention time 48.81 min).

Calculated purity: 99.8%



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