

Proteinase K-lyophilization Protein

Proteinase K-lyophilization

CATALOG #
AAA28067

HOST
Yeast

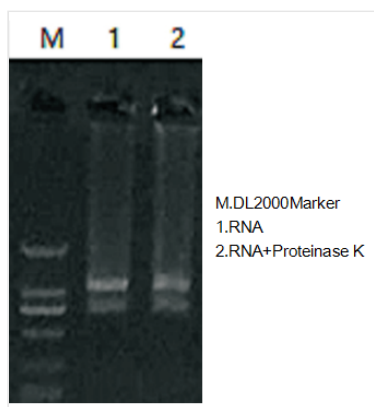
PRODUCT SYNONYMS

Proteinase K-lyophilization; Proteinase K; Endopeptidase K; Tritirachium alkaline proteinase; Proteinase K-lyophilization protein

PRODUCT SPECIFICATIONS

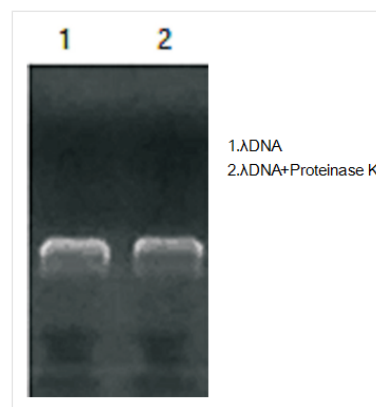
Host	Yeast
Purity/Purification	>=95% by SDS-PAGE
Form/Format	Lyophilized powder
Source	Tritirachium album Limber
Activity	>=30U/mg. One unit is defined as the amount of enzyme that catalyzes the formation of 1 umol of tyrosine per minute at pH7.5 at 37 degree C.
EC Number	3.4.21.14
Preparation and Storage	The shelf life of the lyophilized form is 24 months at -20 degree C/-80 degree C, 18 months at 4 degree C, and 12 months at room temperature. Enzyme activity maintains above 95% when it store at 4 degree C for 1 year

IMAGES



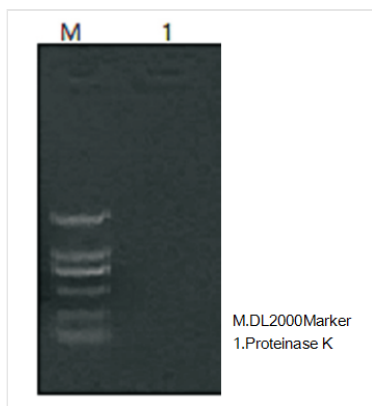
Application Data

Detect RNase residue by agarose gel electrophores



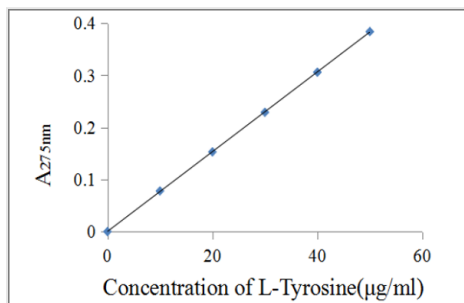
Application Data

Detect DNase residue by agarose gel electrophores



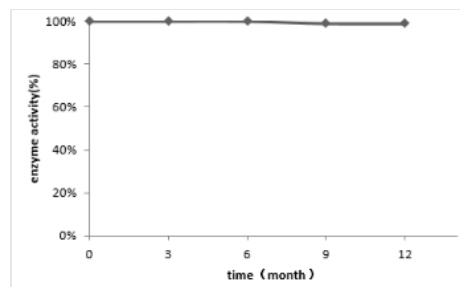
Application Data

Detect Nucleic acid residue by agarose gel electrophores



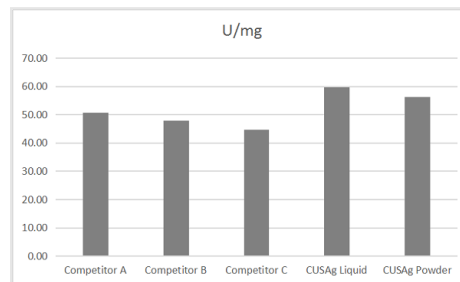
Application Data

According to the absorbance A₂₇₅ for the vertical axis, the different concentrations of tyrosine as the horizontal axis, the standard curve was drawn. Then, the enzyme activity was 30U/mg by calculating.



Application Data

The proteinase K was stored at 4 degree C for one year. Enzymetic activities were assayed every month during one year. As shown in Fig.3, it indicates that proteinase K is stable and enzyme activity is maintained more than 95%.



Activity

Activity measurements were compared to from three other vendors. Proteinase K from us is better than other vendors.

ADDITIONAL INFORMATION

Related Product Information for Proteinase K-lyophilization protein

Proteinase K is a serine protease that is used to digest proteins and remove contamination from nucleic acid preparations. In molecular biology research, adding Proteinase K to nucleic acid preparations inactivates nucleases that could degrade DNA or RNA during isolation and purification applications.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/yeast-protein/proteinase-k-lyophilization/28067>