

Recombinant Proteinase K ab286002

Description

Product name	Recombinant Proteinase K
Biological activity	≥ 30 U/mg
Purity	≥ 99 % SDS-PAGE.
Endotoxin level	≤ 0.100 Eu/mg
Accession	<u>P06873</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Actual molecular weight	29 kDa

Specifications

Our **Abpromise guarantee** covers the use of **ab286002** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
Form	Lyophilized
Additional notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 9210 Proteinase K, Recombinant, Molecular Grade. 9210-10g is the same size as the 10 g size of ab286002.</p> <p>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).</p>

Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Store at -20°C.</p> <p>Constituent: 100% Proteinase K</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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Reconstitution

Centrifuge the vial prior to opening. Soluble in 50 mM Tris-HCl (pH 7.5), 3 mM CaCl₂, 50% Glycerol yielding a clear colorless solution

General Info

Relevance

Proteinase K is an endolytic protease that cleaves peptide bonds preferentially next to the carboxyl group of N-substituted hydrophobic aliphatic and aromatic amino acids. Proteinase K is classified as a serine protease and exhibits broad substrate specificity. It can hydrolyze keratin; hence the name. Proteinase K is used for the digestion of proteins on tissue sections as a pre-treatment to aid in the preparation of mRNA and its detection by in situ hybridisation methods using oligonucleotide probes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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