

FabAct™ Proteinase K (recombinant), Molecular Grade (Solid)

Protease K, Endopeptidase K, Tritirachium alkaline proteinase Catalog # PBV11509r

Specification

FabAct™ Proteinase K (recombinant), Molecular Grade (Solid) - Product info

Primary Accession <u>P06873</u>

Calculated MW 29.3 kDa KDa

FabAct™ Proteinase K (recombinant), Molecular Grade (Solid) - Additional Info

Other Names

Protease K, Endopeptidase K, Tritirachium alkaline proteinase

Gene Source N/A

Source Tritirachium album limber gene,

recombinant

Assay&Purity Native PAGE and SDS PAGE;≥99%

Assay2&Purity2 N/A;Molecular Biology Grade

Recombinant

Application Notes

In 50 mM Tris-HCl (pH7.5), 3 mM CaCl2, 50% Glycerol

Format

Lyophilized

Storage

4°C;Lyophilized with no additives

FabAct™ Proteinase K (recombinant), Molecular Grade (Solid) - Protocols

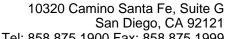
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FabAct™ Proteinase K (recombinant), Molecular Grade (Solid) - Images

FabAct™ Proteinase K (recombinant), Molecular Grade (Solid) - Background

A highly reactive 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 is the most powerful proteinase among all proteinases characterized so far. It cleaves at the peptide





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bond adjacent to the carboxylic acid group of aliphatic, aromatic or hydrophobic amino acids. The application of the molecular grade FabAct™ Proteinase K is similar to the Native Proteinase K and is used in the isolation or preparation of high molecular weight nucleic acids. However, FabAct™ Proteinase K is highly pure and has a higher specific activity and is more stable at room temperature as compared to native Proteinase K. It is stable and active over a wide pH range of 4-12. It can be used on any situation to digest native and denatured proteins. FabAct™ Proteinase K is also active with SDS, urea and EDTA and the most active temperature is 65°C. It is inactivated by diisopropyl fluorophosphates (DFP) and phenyl methane sulfonyl fluoride (PMSF).