

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	P06873
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	Yes

Application NotesIn 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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

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).