Proteinase K, S pack

Proteinase K is a serine protease that exhibits a very broad cleavage specificity. The Protein with a molecular weight of 28.9 kDa cleaves peptide bonds adjacent to the carboxylic group of aliphatic and aromatic amino acids. Proteinse K is not inactivated by metal chelating reagents such as EDTA or detergents such as SDS and is active over a wide range of pH (4 - 12.5). Proteinase K is a highly active and stable protease with low cutting specificity. The enzyme belongs to the group of subtilisine-related serine proteases and is strongly inhibited by PMSF. In presence of 0.5 - 1 % SDS Proteinase K inactivates DNases and RNases in eucaryotic and microbiological cell cultures. The use of Proteinase K during lysis of the cells allows the isolation of intact highly-molecular nucleic acids.

Ordering Information

Order Online »

JBS-EN-178S	2x1ml

Manuals, SDS & CofA

View Online »

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Endopeptidase K
Application Notes	Digestion of proteins during DNA and RNA preparation.
CAS	39450-01-6
Concentration	20 mg/ml
Formulation	Proteinase K solution in 10 mM Tris-HCl, 1 mM Ca(H3C2O2)2, 10 % (v/v) Glycerol, pH 7.8 (22°C)
MW	28.9 kDa
Purity	free of RNases, DNases and Exonucleases
Source	from Tritirachium album
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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