



Proteinase K from *Tritirachium album* CAS No. 39450-01-6



Application:

- Proteinase K is useful in the isolation of the DNA and RNA.
- Useful in Isolation of high molecular weight nucleic acid.
- Improve cloning efficiency of PCR products.
- Suitable for isolating PCR and RT-PCR templates.
- Proteinase K is useful for general protein digestion, used to digest endogenous DNases and RNases.

Activity:

- Specific activity: ≥ 30 u/mg
- DNase activity: None
- RNase activity: None

Unit definition:

- One unit is defined as the amount of enzyme that will liberate 1.0 μ mol tyrosine (Folin-positive amino acid) from casein per minute at 37°C, pH 7.5.
- Active site: Active-site catalytic triad (Asp³⁹-His⁶⁹-Ser²²⁴)
- Cleavage site: Peptide bonds adjacent to the carboxy group of aliphatic aromatic amino acids with blocked alpha amino group.

Packages: 10mg, 25mg, 100mg, 250mg, 500mg, 1gm,

Free Shipping

