

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Enterokinase, Porcine

Catalog Number: BK0340-100IU

Source: *P. pastoris*

Quantity: 100IU

Description:

Enterokinase (EK) is a specific protease that cleaves a protein after lysine residue at its recognition site: Asp-Asp-Asp-Asp-Lys. Enterokinase will not work if the recognition site is followed by proline. If a fusion tag is placed at the N-terminus with an enterokinase site, enterokinase will be able to remove the fusion tag and to generate the protein exactly as you need without adding any unwanted residues. GenScript's Porcine Enterokinase is a highly purified recombinant porcine enterokinase (Light Chain) expressed from *P. Pastoris* GS115 and is supplied in two forms for customers: a. Liquid in 50% glycerol; b. Lyophilized (glycerol free).

Molecular Weight:

Theoretical MW: 21,880 Da; The apparent MW on SDS-PAGE: about 40,000 Da.

Purity:

Biological Activity:

One unit is defined as the amount of enzyme needed to cleave 50 µg of fusion protein in 16 hours to 95% completion at 22 °C in a buffer containing 25 mM Tris-HCl, pH 8.0.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) pow-

der.

Formulation:

GenScript rPorcine Enterokinase, Lyophilized has been formulated using a proprietary technology, and the enzyme can be shipped at room temperature or stand at 37 °C for 7 days without losing any activity.

AA Sequence:

Endotoxin:

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Store at -20 °C after receiving. Reconstituted EK is stable for 24 hours at 2 °C - 8 °C. For long term storage, store it at -20 °C.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.