

Porcine Enteropeptidase/Enterokinase

Certificate of Analysis and Data Sheet

Source:	Catalog No. ENZ-267
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Description :

Porcine enteropeptidase is a specific protease which cleaves after the lysine at its recognition site: Asp-Asp-Asp-Asp-Lys. Enterokinase will not cleave a site followed by proline. If a fusion tag is located in 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.

ProSpec's enterokinase is a highly purified enterokinase from porcine. The enzyme has been extensively purified and tested to ensure that there are no other contaminating proteases.

Physical Appearance:

Sterile Liquid.

Formulation:

50 mM Tris-HCl, pH 8.0, 0.5M NaCl and 50% glycerol.

Stability:

One year when stored at -20°C, three weeks at room temperature.

Please avoid freeze-thaw cycles.

Unit definition:

One unit is defined as the amount of enzyme needed to cleave 50 ug of fusion protein in 16 hours to 95% completion at 25°C in a buffer containing 25 mM Tris-HCl, pH 7.6, 50 mM NaCl, and 2 mM CaCl₂.

Assay conditions:

Each reaction contains 3 ug of partially purified thioredoxin-NP-27 fusion protein and varying amounts of Porcine EK. Reactions were incubated at 25°C for 16 hours and analyzed on a Coomassie-stained 15% SDS gel.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of enteropeptidase.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.