

Diagnostic Enterokinase

Product Information

Cat#	TRA-008
Specification	50U,50U×5
Description	Enterokinase (light chain) is a protease highly specific for the Asp-Asp-Asp-Asp-Lys sequence, cleaving peptides at the C-terminus of Lys. It converts trypsinogen into active trypsin and can also cleave fusion proteins containing this recognition sequence.
CAS No.	9017-74-8
Activity	1 U/μL
Unit Definition	One unit is defined as the amount of enzyme required to cleave 0.5 mg of the reaction substrate Thioredoxin-NP-27 to NP-27 by 95% within 16 hours at 37°C.
Buffer	20 mM Tris-HCl, 50 mM NaCl, 2 mM CaCl ₂ , pH 7.5
Optimum pH	7.0-8.0
Optimum temperature	20-25°C
Storage	-20°C
Notes	Enzyme digestion efficiency is compromised under conditions of > 2M urea, > 250mM NaCl, > 20mM β-ME, > 0.1% SDS, or > 50mM imidazole. If your sample solution contains one or more of these components, dialysis into 1× reaction buffer is recommended prior to digestion to achieve optimal results.