Creative Enzymes
Diagnostic Enzymes

# Diagnostic Enterokinase

## Product Information

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|---|---|
| **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** | 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 CaCl2, 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. |

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