



## Recombinant Enterokinase

### Product Information

<b>Cat#</b>	TRA-052
<b>Specification</b>	100U,500U,1000U
<b>Description</b>	Intestinal chymotrypsin is a highly specific serine protease consisting of a structural heavy chain and a catalytic light chain linked by a disulfide bond. The catalytic subunit recognizes the Asp-Asp-Asp-Asp-Lys sequence and cleaves at its carboxyl terminus, activating trypsinogen to initiate the proenzyme cascade. Recombinant bovine enterokinase is a high-purity light chain fragment with broad pH (4.5–9.5) and temperature tolerance, used to remove N-terminal fusion tags containing the DDDDK sequence.
<b>Applications</b>	Removal of tag peptides from N-terminal and Met-N-terminal fusion proteins; protein modification and amino acid sequence determination.
<b>CAS</b>	9017-74-8
<b>EC</b>	EC 3.4.21.9
<b>Synonyms</b>	Recombinant enterokinase
<b>Form</b>	Clear, colorless to pale yellow liquid
<b>Species</b>	Bovine
<b>Source</b>	E. coli
<b>Unit Definition</b>	One unit is defined as the amount of enzyme required to cleave 95% of a fusion protein (0.5 mg) stored in 25 mM Tris-HCl (pH 8.0) buffer at 25°C within 12 to 16 hours.
<b>Molecular Weight</b>	25.8 kDa
<b>Buffer</b>	50 mM Tris-HCl, pH 8.0, 250 mM NaCl, 2 mM Ca <sup>2+</sup> , 50% Glycerol.
<b>Gene ID</b>	282009
<b>Accession</b>	P98072
<b>Storage</b>	Store at -20°C for 2 years.