



Recombinant Enterokinase

Product Information

Cat#	TRA-052
Specification	100U,500U,1000U
Description	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.
Applications	Removal of tag peptides from N-terminal and Met-N-terminal fusion proteins; protein modification and amino acid sequence determination.
CAS No.	9017-74-8
Enzyme Commission Number	EC 3.4.21.9
Synonyms	Recombinant enterokinase
Form	Clear, colorless to pale yellow liquid
Species	Bovine
Source	E. coli
Unit Definition	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.
Molecular Weight	25.8 kDa
Buffer	50 mM Tris-HCl, pH 8.0, 250 mM NaCl, 2 mM Ca ²⁺ , 50% Glycerol.
Gene ID	282009
Accession	P98072



Creative Enzymes

Diagnostic Enzymes

Recombinant Enterokinase

Storage

Store at -20°C for 2 years.

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