

Product overview

Product Name	Recombinant Bovine Enterokinase(rb-EK)
Catalog No.	ATE00002 (Old ata807)
Expression host	E.coli
MW	26.2kDa
Purity	>95% as determined by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.
Concentration	> 30 KU / mg, 1mg of recombinant bovine enterokinase can cut at least 1.5g fusion protein.
Unit Definition	At 25 ° C, reaction buffer 50 mM Tris-HCl (PH 8.0), the amount of enzyme required to digest 50 ug fusion protein containing the digestion site within 16 hours is defined as 1 unit of enzyme activity, which is 1U.
Digestion reaction condition	Digestion at 25 °C for 16 hours
Tag	C-terminal His Tag

Product performance

Form	Liquid
Buffer	50 mM Tris-HCl, 50%Glycerol, pH 8.0
Storage	Store at -20 ° C, 12 months shelf life

Standard Operating Procedure

- During the experiment, please pay attention to :
 - When the sample contains certain components, it will affect the enzyme activity, such as > 2 M Urea,> 250 mM NaCl,> 20 mM β -ME,> 0.1% SDS,> 50 mM Imidazol
Dialysis to 50 mM Tris-HCl (pH 8.0);
 - Phosphate can inhibit the activity of enterokinase, and phosphate buffer should be avoided as the enzyme digestion system;
 - Place on ice bath as soon as possible after dissolution;
 - If can't use all at once, please prepare it into a mother liquor and dispense it into small aliquots (guaranteed the amount of one test) before use.
 - Avoid the use of strong acids, strong bases, strong oxidants, high concentrations of organic solvents and other reagents that easily cause protein denaturation.

