



Technical Data Sheet

Recombinant Bovine Enterokinase (rbEK)

Catalog Number:	RC572-12EH
Source:	<i>Escherichia coli</i>
Molecular Weight:	Approximately 28 kDa, a single non-glycosylated polypeptide chain containing 241 amino acids, with a C-terminal His.Tag.
Quantity:	100IU/250IU/1000IU
Specific activity:	$\geq 2 \times 10^4$ units/mg recombinant enterokinase.
Unit Definition:	One unit is defined as the amount of enzyme needed to cleave 50 ug of fusion protein in 16 hours to 95% completion at 25°C in a buffer containing 25 mM Tris-HCl, pH 7.6, 50 mM NaCl, and 2 mM CaCl ₂ .
Physical Appearance:	Sterile liquid.
Formulation:	50 mM Tris-HCl, pH 8.0, 0.5M NaCl and 50% glycerol.
Endotoxin:	Less than 1EU/ μ g of rbEK as determined by LAL method.
Storage:	One year when stored at -20°C. Avoid repeated freeze/thaw cycles.
Usage:	This material is offered by Bio Basic Inc. for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.