



Creative Enzymes

Diagnostic Enzymes

Recombinant Enterokinase (High Specificity)

Product Information

Cat#	TRA-043
Specification	2KU,20KU,200KU,2MU,20MU
Description	Enterokinase (EK) is a highly specific serine protease that recognizes the DDDDK sequence and cleaves at the C-terminus of lysine residues (where proline cannot follow K). . Hanhai recombinant enterokinase (rEK) is expressed in Escherichia coli and engineered from the natural enterokinase light chain fragment (containing a 6×His-tag). It exhibits higher specific activity and cleavage specificity, making it particularly suitable for the production of peptide drugs such as GLP-1 and its analogues.
Applications	Removes labeled peptides from N-terminal and Met-N-terminal fusion proteins using DDDDK as the cleavage site, leaving no residual amino acids.
Form	Clear, colorless to pale yellow liquid
Unit Definition	One unit is defined as the amount of enzyme required to cleave 95% of a fusion protein stored in 25 mM Tris-HCl (pH 8.0) buffer at 25°C within 12 to 16 hours.
Molecular Weight	27.0 kDa
Purity	≥ 95% by SDS-PAGE
Storage	Store at -25°C to -15°C maintains stability for up to 2 years.

Tel: 1-631-562-8517 1-516-512-3133

Email:info@creative-enzymes.com

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA