



Recombinant Enterokinase (GMP Grade)

Product Information

Cat#	TRA-044
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 (GMP Grade) is expressed in E. coli and engineered from the natural enterokinase light chain fragment (containing a 6×His-tag). It exhibits enhanced specific activity and cleavage specificity, making it particularly suitable for the production of peptide-based therapeutics such as GLP-1 and its analogues.
Applications	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 (GMP Grade) is expressed in E. coli and engineered from the natural enterokinase light chain fragment (containing a 6×His-tag). It exhibits enhanced specific activity and cleavage specificity, making it particularly suitable for the production and preparation of peptide drugs such as GLP-1 and its analogues.
Form	Clear, colorless to pale yellow liquid
Unit Definition	One unit is defined as the amount of enzyme required to cleave 95% of 0.5 mg of fusion protein stored in 25 mM Tris-HCl (pH 8.0) buffer at 25°C within 12-16 hours.
Purity	≥ 95% by SDS-PAGE
Endotoxin Level	≤ 10 EU/KU
Storage	Store at -25°C to -15°C.