

Recombinant Bovine Enterokinase Light Chain (rBoEK)

Product Information

Cat#	DIA-822
Descriptions	Recombinant Bovine Enterokinase Light Chain (rBoEK) specifically recognizes and cleaves the Asp-Asp-Asp-Asp-Lys peptide sequence, is the most widely used enzyme for removing fusion tags from recombinant proteins, and produces native N-terminal target proteins.
Applications	Recombinant Bovine Enterokinase Light Chain (rBoEK) serves as a standard tool for fusion tag cleavage detection kits and recombinant protein processing assay reagent development.
CAS No.	461-015-1816
Molecular Weight	Approximately 28 kDa, a single non-glycosylated polypeptide chain containing 235 amino acids
Enzyme Source	Escherichia coli
Synonyms	Enterokinase, Serine Protease 7, Transmembrane Protease Serine 15
Form	Sterile liquid 50 mM Tris-HCl, pH 8.0, 0.5 M NaCl and 50 % glycerol.
Activity 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 .
Storage	Avoid repeated freeze-thaw cycles. Store at -20 to -70°C in the original packaging for up to 6 months from the date of receipt. After opening, store at -20 to -70°C under sterile conditions for up to 3 months.