

Recombinant Bovine Enterokinase Light Chain, His (rBoEK, His)

Product Information

Cat#	DIA-823
Descriptions	Recombinant Bovine Enterokinase Light Chain, His (rBoEK, His) is fused with a His-tag for simple purification, maintains strict substrate specificity for the DDDDK cleavage site, and enables efficient tag removal from various fusion protein substrates.
Applications	Recombinant Bovine Enterokinase Light Chain, His (rBoEK, His) is applied in affinity purifiable enterokinase detection kits and fusion protein cleavage assay reagent development.
CAS No.	461-0158-1816
Molecular Weight	Approximately 28 kDa, a single non-glycosylated polypeptide chain containing 241 amino acids, with 6 × His at C-terminus
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.