

Recombinant Bovine Enterokinase Light Chain, Yeast

Catalog No: #AP60424



Package Size: #AP60424-1 100IU #AP60424-2 250IU #AP60424-3 1kIU

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Description

Product Name	Recombinant Bovine Enterokinase Light Chain, Yeast
Host Species	Yeast
Other Names	Enterokinase, Serine Protease 7, Transmembrane Protease Serine 15
Calculated MW	Approximately 43.0 kDa, a single glycosylated polypeptide chain containing 235 amino acids.
Formulation	LyophilizedB fromB aB 0.2B umB filteredB concentratedB solutionB inB PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 6 months from date of receipt, -20 to -70 °C as supplied.- 3 months, -20 to -70 °C under sterile conditions after opening.

Background

Enterokinase (EK) is an amino protease existing in duodenum of mammal and is involved in digestion. It consists of a disulfide-linked 82–140 kDa heavy chain which anchors enterokinase in the intestinal brush border membrane and a 35–62 kDa light chain which contains the catalytic subunit. Additionally, both of the chains are derived from a single precursor that is cleaved by a trypsin-like protease. EK can specially recognize the amino acid sequence DDDDK, and digest the peptide bond after the lysine residue. rEK was report to be more effective than nature EK in cleaving recombinant proteins. Furthermore, the light chain possesses the whole enzyme activity of EK. rBoEK has the highest activity than EK of other species and is used wildly in biochemical applications.

Note: This product is for in vitro research use only