

Recombinant Bovine TMPRSS15 protein

Cat. No. TMPRSS15-8322B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine TMPRSS15 protein was expressed in Pichia Pastoris
Species	Bovine
Source	P.pastoris
ProteinLength	235
Description	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.
Form	50 mM Tris-HCl, pH 8.0, 0.5 M NaCl and 50 % glycerol.
Molecular Mass	Approximately 43.0 kDa, a single glycosylated polypeptide chain containing 235 amino acids.
Endotoxin	Less than 1 EU/g of rBoEKL as determined by LAL method.

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Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.

GENE INFORMATION**Gene Name** [TMPRSS15](#)**Official Symbol** [TMPRSS15](#)**Synonyms** Enterokinase, Serine Protease 7, Transmembrane Protease Serine 15**Gene ID** [282009](#)**mRNA Refseq** [NM_174439.2](#)**Protein Refseq** [NP_776864.1](#)**UniProt ID** [P98072](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA