# Enteropeptidase (TMPRSS15) Bovine Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Enteropeptidase (TMPRSS15), Recombinant Protein |
| **Full Product Name** | Recombinant Bovine Enteropeptidase (TMPRSS15) , partial |
| **Product Gene Name** | TMPRSS15 recombinant protein |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 112,127 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for P98072 |
| **Species** | Bos taurus (Bovine) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for TMPRSS15 recombinant protein** | MBS7056726 is a recombinant protein targeting TMPRSS15. Also known as Recombinant Bovine Enteropeptidase (TMPRSS15) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of TMPRSS15 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMPRSS15. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 27806097 |
| **NCBI GeneID** | 282009 |
| **NCBI Accession #** | NP_776864.1 |
| **UniProt Primary Accession #** | P98072 |
| **UniProt Related Accession #** | P98072 |
| **GenBank Nucleotide #** | NM_174439.2 |
| **NCBI Official Full Name** | enteropeptidase |
| **NCBI Official Synonym Full Names** | transmembrane serine protease 15 |
| **NCBI Official Symbol** | TMPRSS15 |

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| **NCBI Official Synonym Symbols** | PRSS7 |
| **UniProt Protein Name** | Enteropeptidase |
| **UniProt Synonym Protein Names** | Enterokinase; Serine protease 7; Transmembrane protease serine 15 |
| **Protein Family** | Enteropeptidase |
| **UniProt Gene Name** | TMPRSS15 |
| **UniProt Synonym Gene Names** | ENTK; PRSS7 |
| **NCBI Protein Information** | enteropeptidase |
| **UniProt Comments for TMPRSS15** | Responsible for initiating activation of pancreatic proteolytic proenzymes (trypsin, chymotrypsin and carboxypeptidase A). It catalyzes the conversion of trypsinogen to trypsin which in turn activates other proenzymes including chymotrypsinogen, procarboxypeptidases, and proelastases. |
| **Research Articles on TMPRSS15** | **1.** substrate specificities of porcine and bovine enteropeptidases were investigated using the peptide Val-(Asp)(4)-Lys-Ile-Val-Gly and its various analogs with mutations in the (Asp)(4)-Lys sequence as substrates |
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