

## Active Recombinant Pig TMPRSS15 Protein

**Cat. No.** TMPRSS15-156T    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Pig TMPRSS15 Protein without tag was expressed in <i>P. pastoris</i> .
<b>Species</b>	Pig
<b>Source</b>	<i>P.pastoris</i>
<b>Description</b>	<p>Enterokinase (EK) is a specific protease that cleaves a protein after lysine residue at its recognition site: Asp-Asp-Asp-Asp-Lys. Enterokinase will not work if the recognition site is followed by proline. If a fusion tag is placed at the N-terminus with an enterokinase site, enterokinase will be able to remove the fusion tag and to generate the protein exactly as you need without adding any unwanted residues.</p> <p>Porcine Enterokinase is a highly purified recombinant porcine enterokinase (Light Chain) expressed from <i>P. Pastoris</i> GS115 and is supplied in two forms for customers: a. Liquid in 50% glycerol; b. Lyophilized (glycerol free).</p>
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	One unit is defined as the amount of enzyme needed to cleave 50 ug of fusion protein in 16 hours to 95% completion at 22 centigrade in a buffer containing 25 mM Tris-HCl, pH 8.0.
<b>Molecular Mass</b>	Theoretical MW: 21,880 Da; The apparent MW on SDS-PAGE: about 40,000 Da.
<b>Storage</b>	Store at -20 centigrade after receiving. Reconstituted EK is stable for 24 hours at 2 centigrade - 8 centigrade. For long term storage, store it at -20 centigrade.

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**Storage Buffer** rPorcine Enterokinase, Lyophilized has been formulated using a proprietary technology, and the enzyme can be shipped at room temperature or stand at 37 centigrade for 7 days without losing any activity.

**Reconstitution** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

## GENE INFORMATION

**Gene Name** [TMPRSS15 transmembrane protease, serine 15 \[ Sus scrofa \]](#)

**Official Symbol** [TMPRSS15](#)

**Synonyms** TMPRSS15; transmembrane protease, serine 15; enteropeptidase; enterokinase; serine protease 7; transmembrane protease serine 15; protease, serine, 7 (enterokinase); enteropeptidase, light chain (L chain); PRSS7;

**Gene ID** [397152](#)

**mRNA Refseq** [NM\\_001001259](#)

**Protein Refseq** [NP\\_001001259](#)

**UniProt ID** [P98074](#)

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