

Active Recombinant Porcine TMPRSS15

Cat. No. TMPRSS15-9780P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Porcine Enterokinase is a highly purified recombinant porcine enterokinase (Light Chain) expressed from P. Pastoris GS115 and is supplied in two forms for customers: a. Liquid in 50% glycerol; b. Lyophilized (glycerol free).
Species	Pig
Source	Yeast
Description	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.
Form	GenScript rPorcine Enterokinase, Lyophilized has been formulated using a proprietary technology, and the enzyme can be shipped at room temperature or stand at 37°C for 7 days without losing any activity.
Bio-activity	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°C in a buffer containing 25 mM Tris-HCl, pH 8.0.
Molecular Mass	Theoretical MW: 21,880 Da; The apparent MW on SDS-PAGE: about 40,000 Da.
Storage	Store at -20°C after receiving. Reconstituted EK is stable for 24 hours at 2°C - 8°C. For long term storage, store it at -20°C.

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GENE INFORMATION

Gene Name	TMPRSS15 transmembrane protease, serine 15 [Sus scrofa (pig)]
Official Symbol	TMPRSS15
Synonyms	TMPRSS15; transmembrane protease, serine 15; PRSS7; enteropeptidase; enterokinase; serine protease 7; protease, serine, 7 (enterokinase)
Gene ID	397152
mRNA Refseq	NM_001001259
Protein Refseq	NP_001001259
UniProt ID	P98074
Chromosome Location	chromosome: 13

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