## A novel, robust peptidyl-lys metalloendopeptidase from *Trametes coccinea* recombinantly expressed in *Komagataella phaffii*

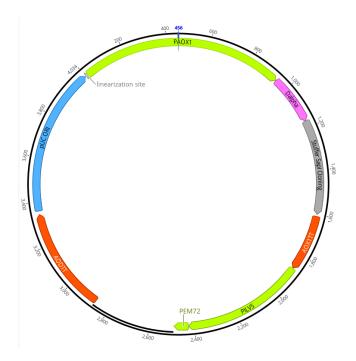
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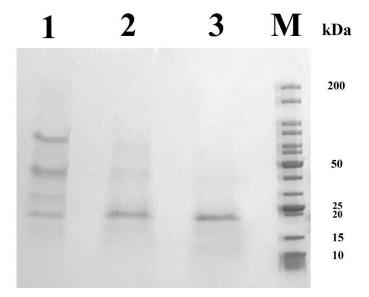
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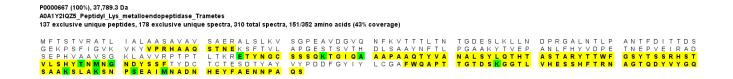
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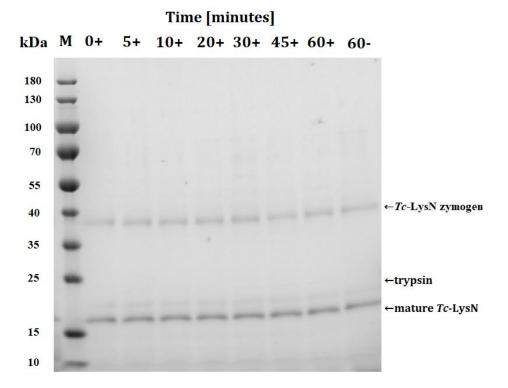
Online resource 1 Plasmid map of pBSY2S1Z.



**Online resource 2** Sodium dodecyl sulfate—polyacrylamide gel electrophoresis of the *Tc*-LysN purified from culture supernatant via AEX. The image is identical to the Figure 1B in the manuscript; only the contrast has been enhanced.



**Online resource 3** *Tc*-LysN sequence coverage of TMT-labeling experiment. E185 is the N-terminal TMT-labeled amino acid.



Online resource 4 Sodium dodecyl sulfate—polyacrylamide gel electrophoresis of the concentrated *Tc*-LysN culture supernatant (24 hr induction) that was incubated with trypsin for 60 minutes. Samples were withdrawn at indicated time points and mixed with reducing sample loading at heated for 5 minutes at 90°C before being loaded onto the gel. The "+" indicates samples that were incubated with trypsin and the "-" sign indicates samples that weren't incubated with trypsin. Lane M contains the marker proteins (PageRuler Prestained 10–180 kDa, Thermofisher).



Online resource 5 Peptide sequence coverage of the in-solution digest of bovine serum albumin with Tc-LysN.