

## Data sheet

Enzyme	;	<b>Laccase YK1</b>
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Code ; LAC-27-01

Lot No ; 1-S301B

Protein conc. ; 7.0 mg/ml

Volume ; 1 ml

Form ; 20 mM Tris-HCl (pH 8.0), 1 mM CuSO<sub>4</sub>, 1 mM CaCl<sub>2</sub>

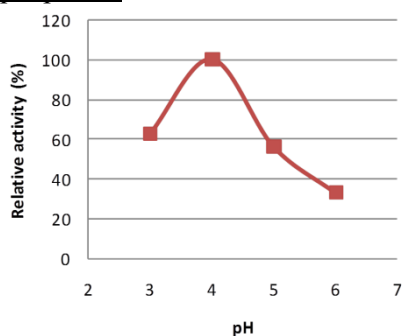
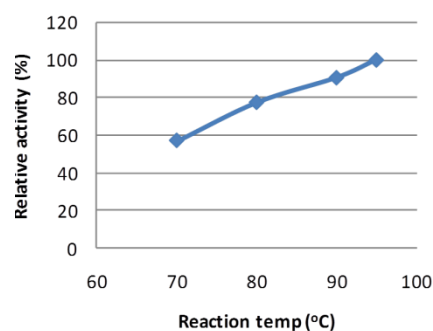
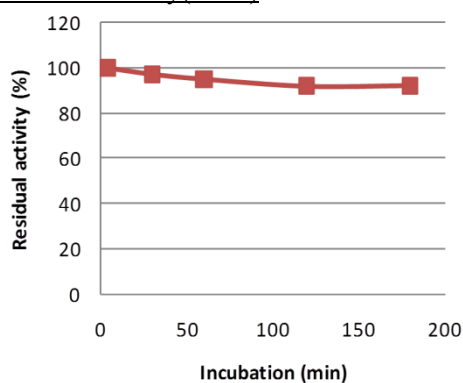
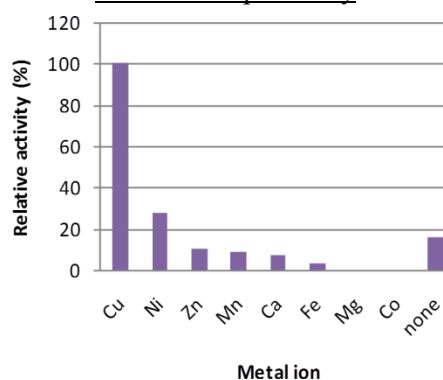
Storage ; -20 °C \*Avoid repeated freeze and thaw cycles.

Activity ; 111 U/ml

Notes ; For research use only

**Activity measurement**

Reaction mix (100 mM Sodium acetate buffer (pH 4.0), 1 mM CuSO<sub>4</sub>, 10 mM 2,2'-azobis-(3-ethylbenzothiazoline-6-sulfonate) (ABTS) and appropriate amount of the enzyme) was incubated at 85 °C and A<sub>405</sub> was monitored. One unit is defined as the amount of enzyme oxidizing 1 μmol of ABTS ( $\epsilon_{405}=36.8 \text{ mM}^{-1} \text{ cm}^{-1}$ ) per 1 minute using ABTS as a substrate.

pH profileTemperature profileThermostability(85°C)Metal ion dependency

Date of assay: \_\_\_\_\_

Hisae TANAKA

Approved: \_\_\_\_\_

Koh SHIKATA