

ENZYMES

BY

SORACHIM

Peroxidase from microorganism

rPEO (POD-100C)

SPECIFICATIONS

SAMPLES AVAILABLE

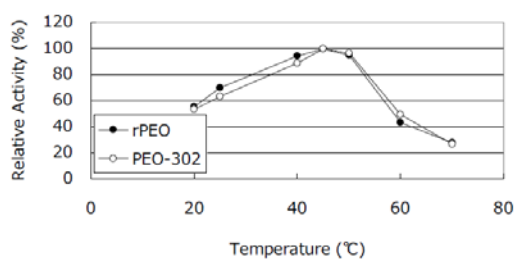
NEW

Product name	Donor:hydrogen-peroxidase oxidoreductase
Origin	Gene from horseradish expressed in eucaryote cell
EC	1.11.1.7
Activity	200 U/mg-solid or more
Stability	Stable at -20 °C for at least 12 months
Molecular weight	approx. 45,000
Optimum pH	6.5
Optimum temperature	45 °C
pH Stability	pH 5.0 - 10.0
Thermal stability	below 50 °C

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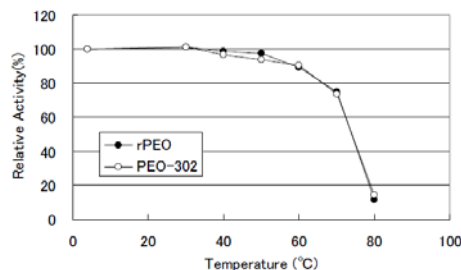
Comparison with native Peroxidase

Optimum Temperature



20sec-reaction in 0.1M K-Phosphate, pH 6.0

Thermal Stability



10min-treatment in 50mM K-Phosphate, pH 6.0
(enz conc. 2 U/ml)

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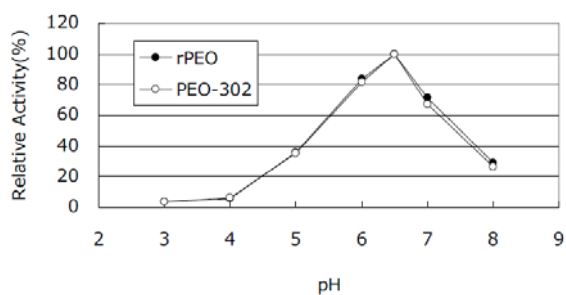
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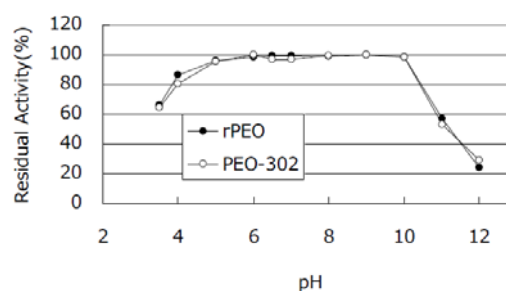
SPECIFICATIONS

Optimum pH



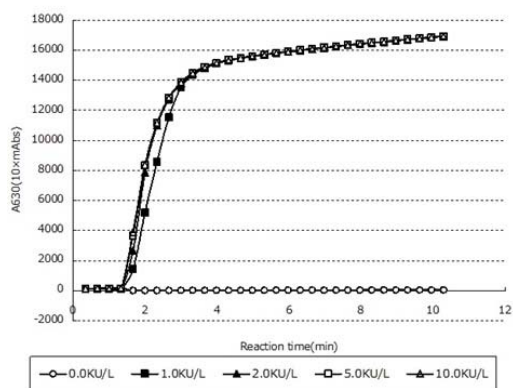
Reaction in 0.1M buffer

pH Stability

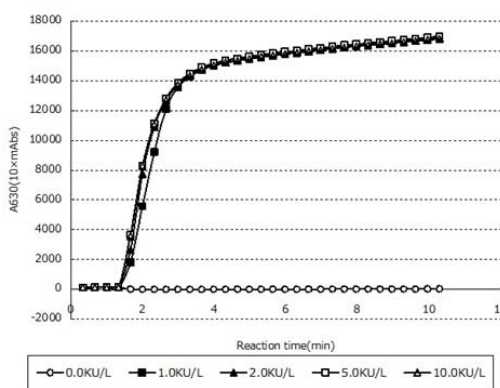


20h-treatment at 25 °C in 0.1M buffer

Reactivity



rPEO



PEO-302