Laccase, Microorganisms

Cat. No.:	HY-P2890
CAS No.:	80498-15-3
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Laccase, Microorganisms

BIOLOGICAL ACTIVITY

Description	Laccase, Microorganisms (Denilite IIS) is a multi-copper oxidase (MCOs), which widely exists in microorganisms, plants and fungi, and can catalyze the oxidation of one electron of various phenolic compounds. Laccase can promote the oxidative coupling of single lignin, which plays an important role in the formation and biodegradation of lignin, and also has the potential to cross-link food polymers[1].
In Vitro	Protocol 1) Reaction conditions: effective pH range is 4.5-6.5, effective temperature range is 30-65℃. 2) Dissolution: can be dissolved in pure water. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Grzegorz Janusz, et al. Laccase Properties, Physiological Functions, and Evolution. Int J Mol Sci. 2020 Jan 31;21(3):966.

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