

Lysine oxidase (LO)

Cat. No. LO-36 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description	LO (Lysine oxidase): catalyzes the oxidation of L-lysine to 6-amino-2-oxohexanoic acid (or its lactone).
Applications	1. Normally, the reaction system should include substrate, buffer solution, enzyme. 2. LO should be added last into reaction system, after the pH and temperature been adjusted to the reaction condition.
Notes	Never contact with extreme conditions such as: high temperature, high/low pH and high concentration organic solvent.
Storage	Keep 2 years below -20 centigrade.
Advantages	1. High substrate specificity. 2. Strong chiral selectivity. 3. High conversion. 4. Less by-products. 5. Mild reaction conditions. 6. Environmentally friendly.

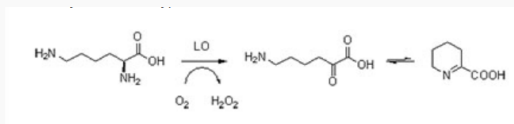
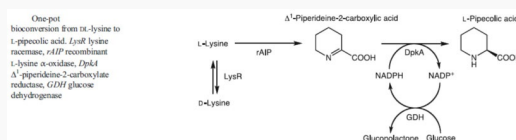
GENE INFORMATION

Official Symbol	LO
Synonyms	Lysine oxidase; LO

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**Catalytic reaction
type****Application
Examples**

Synthesis of L-2-pipecolic acid from lysine