

Monoamine oxidase (MAO)

Cat. No. MAO-23 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description	MAO(Monoamine oxidase): MAO catalyze the oxidative deamination of monoamines to produce hydrogen peroxide, ammonia and corresponding aldehydes. In the catalytic process, oxygen is necessary as oxidant.
Applications	1. Normally, the reaction system should include substrate, buffer solution, enzyme, coenzyme, and coenzyme regeneration system. 2. All kinds of MAO corresponding to various optimum reaction conditions should be studied individually. 3. High concentration Substrate or product with may inhibit MAO's activity. However, the inhibition can be relieved by batch addition of substrate.
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

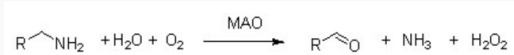
Official Symbol	MAO
Synonyms	Monoamine oxidase; MAO

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Catalytic reaction
type**



**Application
Examples**



Biosynthesis of (1R,5S)-6,6-dimethyl-3-aza-bicyclo[3.1.0]hex-2-ene

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