

Amine Dehydrogenase (AmDH)

Cat. No. AmDH-29 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description	AmDH (Amine Dehydrogenase): an enzyme that can catalyze the ammoniation of carbonyl group and reduce it to amino group. It is a coenzyme NADH dependent enzyme, and NADH acts as a hydrogen transmitter.
Applications	1. Normally, the reaction system should include substrate, buffer solution, enzyme, coenzyme and coenzyme regeneration system (e.g. glucose and glucose dehydrogenase). 2. AmDH 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

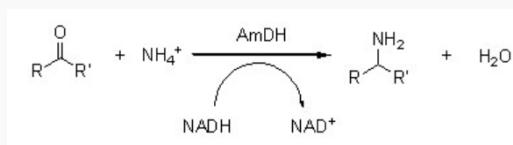
Official Symbol	AmDH
Synonyms	Amine Dehydrogenase; AmDH

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

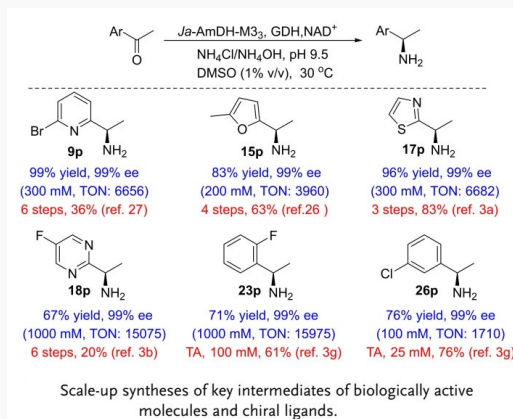
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Catalytic reaction type



Application Examples



Synthesis of corresponding chiral amines by reductive amination of alkyl aryl ketones

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