

Formate dehydrogenase (FDH)

Cat. No. FDH-21 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description	FDH (Formate dehydrogenase): FDH catalyze the dehydrogenation of ammonium formate to produce carbon dioxide and ammonia, and reduce NAD to NADH with NAD as electron receptor. FDH is often used for the regeneration of coenzyme NADH.
Applications	1. Normally, the reaction system should include substrate, buffer solution, enzyme, and coenzyme. 2. If FDH is used for coenzyme regeneration, the main enzyme is necessary, and the reaction system should be designed according to the main enzyme.
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. High conversion. 3. Less by-products. 4. Mild reaction conditions. 5. Environmentally friendly.

GENE INFORMATION

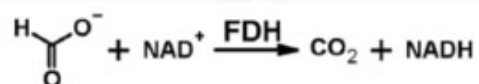
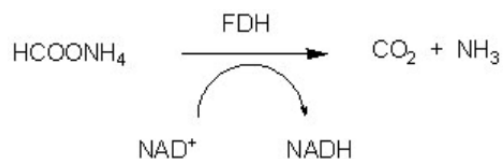
Official Symbol	FDH
Synonyms	Formate dehydrogenase; FDH

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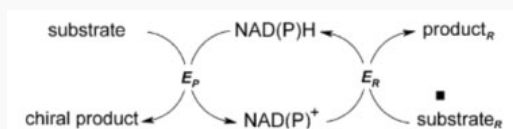
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Catalytic reaction
type



Quantify of NAD

Application
Examples



Biocatalysis