

FMN reductase (NADH)

Cat. No. EXWM-1523

Lot. No. (See product label)

Introduction

Description

The enzyme often forms a two-component system with monooxygenases. Unlike EC 1.5.1.38, FMN reductase (NADPH), and EC 1.5.1.39, FMN reductase [NAD(P)H], this enzyme has a strong preference for NADH over NADPH, although some activity with the latter is observed. While FMN is the preferred substrate, FAD can also be used with much lower activity.

Synonyms

NADH-FMN reductase; NADH-dependent FMN reductase; NADH:FMN oxidoreductase; NADH:flavin oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.5.1.42

Reaction

$\text{FMNH}_2 + \text{NAD}^+ = \text{FMN} + \text{NADH} + \text{H}^+$

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.