

## FAD reductase [NAD(P)H]

Cat. No. EXWM-1526

Lot. No. (See product label)

### Introduction

#### Description

This enzyme, isolated from the bacterium *Geobacillus thermodenitrificans*, participates in the pathway of tryptophan degradation. The enzyme is part of a system that also includes a bifunctional riboflavin kinase/FMN adenylyltransferase and EC 1.14.14.8, anthranilate 3-monooxygenase (FAD). It can reduce either FAD or flavin mononucleotide (FMN) but prefers FAD. The enzyme has a slight preference for NADPH as acceptor. cf. EC 1.5.1.37, FAD reductase (NADH).

#### Synonyms

GTNG\_3158 (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.1.45

#### Reaction

$\text{FADH}_2 + \text{NAD(P)}^+ = \text{FAD} + \text{NAD(P)H} + \text{H}^+$

#### 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.