Creative Enzymes®

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	FADH2 + NAD(P)+ = FAD + NAD(P)H + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.