FAD synthetase

Cat. No. EXWM-3234

Lot. No. (See product label)

Introduction

Description	Requires Mg2+ and is highly specific for ATP as phosphate donor. The cofactors FMN and FAD participate in numerous processes in all organisms, including mitochondrial electron transport, photosynthesis, fatty-acid oxidation, and metabolism of vitamin B6, vitamin B12 and folates. While monofunctional FAD synthetase is found in eukaryotes and in some prokaryotes, most prokaryotes have a bifunctional enzyme that exhibits both this activity and that of EC 2.7.1.26, riboflavin kinase.
Synonyms	FAD pyrophosphorylase; riboflavin mononucleotide adenylyltransferase; adenosine triphosphate-riboflavin mononucleotide transadenylase; adenosine triphosphate-riboflavine mononucleotide transadenylase; riboflavin adenine dinucleotide pyrophosphorylase; riboflavine adenine dinucleotide adenylyltransferase; flavin adenine dinucleotide synthetase; FADS; FMN adenylyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.2
CAS No.	9026-37-3
Reaction	ATP + FMN = diphosphate + FAD
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 ℃.