Creative Enzymes®

FAD-AMP lyase (cyclizing)

Cat. No. EXWM-5352

Lot. No. (See product label)

Introduction

Description	Requires Mn2+ or Co2+. While FAD was the best substrate tested, the enzyme also splits ribonucleoside diphosphate-X compounds in which X is an acyclic or cyclic monosaccharide or derivative bearing an X-OH group that is able to attack internally the proximal phosphorus with the geometry necessary to form a P=X product; either a five-atom monocyclic phosphodiester or a cis-bicyclic phosphodiester-pyranose fusion. The reaction is strongly inhibited by ADP or ATP but is unaffected by the presence of the product, cFMN.
Synonyms	FMN cyclase; FAD AMP-lyase (cyclic-FMN-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.6.1.15
CAS No.	208349-48-8
Reaction	FAD = AMP + riboflavin cyclic-4',5'-phosphate
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 ℃.