

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