

## FAD-AMP lyase (cyclizing)

Cat. No. EXWM-5352

Lot. No. (See product label)

### Introduction

**Description** Requires  $Mn^{2+}$  or  $Co^{2+}$ . 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**  $FAD = AMP + \text{riboflavin cyclic-4',5'-phosphate}$

**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.