Creative Enzymes®

2-amino-5-formylamino-6-ribosylaminopyrimidin-4(3H)-one 5'-monophosphate deformylase

Cat. No. EXWM-4381

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses the second step in archaeal riboflavin and 7,8-didemethyl-8-hydroxy-5-deazariboflavin biosynthesis. The first step is catalysed by EC 3.5.4.29 (GTP cyclohydrolase IIa). The bacterial enzyme, EC 3.5.4.25 (GTP cyclohydrolase II) catalyses both reactions.
Synonyms	ArfB

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.102
Reaction	2-amino-5-formylamino-6-(5-phospho-D-ribosylamino)pyrimidin-4(3H)-one + H2O = 2,5-diamino-6-(5-phospho-D-ribosylamino)pyrimidin-4(3H)-one + formate
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 ℃.