

2,5-diamino-6-(ribosylamino)-4(3H)-pyrimidinone 5'-phosphate reductase

Cat. No. EXWM-0213

Lot. No. (See product label)

Introduction

Description

The reaction proceeds in the opposite direction. A step in riboflavin biosynthesis, NADPH and NADH function equally well as reductant. Differs from EC 1.1.1.193 [5-amino-6-(5-phosphoribosylamino)uracil reductase] since it does not catalyse the reduction of 5-amino-6-ribosylaminopyrimidine-2,4(1H,3H)-dione 5'-phosphate.

Synonyms

2,5-diamino-6-ribosylamino-4(3H)-pyrimidinone 5'-phosphate reductase; MjaRED; MJ0671 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.302

Reaction

2,5-diamino-6-(5-phospho-D-ribitylamino)pyrimidin-4(3H)-one + NAD(P)⁺ = 2,5-diamino-6-(5-phospho-D-ribosylamino)pyrimidin-4(3H)-one + NAD(P)H + H⁺

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.