

β-ribofuranosylphenol 5'-phosphate synthase

Cat. No. EXWM-2684

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in biosynthesis of tetrahydromethanopterin in archaea. It was initially thought to use 4-aminobenzoate as a substrate, but was later shown to utilize 4-hydroxybenzoate. The activity is dependent on Mg²⁺ or Mn²⁺.

Synonyms

β-RFAP synthase (incorrect); β-RFA-P synthase (incorrect); AF2089 (gene name); MJ1427 (gene name); β-ribofuranosylhydroxybenzene 5'-phosphate synthase; 4-(β-D-ribofuranosyl)aminobenzene 5'-phosphate synthase (incorrect); β-ribofuranosylaminobenzene 5'-phosphate synthase (incorrect); 5-phospho-α-D-ribose 1-diphosphate:4-aminobenzoate 5-phospho-β-D-ribofuranosyltransferase (decarboxylating) (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.2.54

Reaction

5-phospho-α-D-ribose 1-diphosphate + 4-hydroxybenzoate = 4-(β-D-ribofuranosyl)phenol 5'-phosphate + CO₂ + diphosphate

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.