Creative Enzymes®

nicotinate D-ribonucleotide:phenol phospho-D-ribosyltransferase

Cat. No. EXWM-2685

Lot. No. (See product label)

Introduction

Description	The enzyme is involved in the biosynthesis of phenolic cobamides in the Gram-positive bacterium Sporomusa ovata. It can also transfer the phospho-D-ribosyl group to 4-methylphenol and 5,6-dimethylbenzimidazole. The related EC 2.4.2.21, nicotinate-nucleotide dimethylbenzimidazole phosphoribosyltransferase, also transfers the phospho-D-ribosyl group from nicotinate D-ribonucleotide to 5,6-dimethylbenzimidazole, but shows no activity with 4-methylphenol or phenol.
Synonyms	ArsAB

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.2.55
Reaction	nicotinate D-ribonucleotide + phenol = nicotinate + phenyl 5-phospho-α-D-ribofuranoside
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 ℃.