Creative Enzymes®

decaprenylphospho-β-D-erythro-pentofuranosid-2-ulose 2-reductase

Cat. No. EXWM-0247

Lot. No. (See product label)

Introduction

Description	The reaction is catalysed in the reverse direction. The enzyme, isolated from the bacterium Mycobacterium smegmatis, is involved, along with EC 1.1.98.3, decaprenylphospho-β-D-ribofuranose 2-oxidase, in the epimerization of trans,octacis-decaprenylphospho-β-D-ribofuranose to trans,octacis-decaprenylphospho-β-D-arabinoofuranose, the arabinosyl donor for the biosynthesis of mycobacterial cell wall arabinan polymers.
Synonyms	decaprenylphospho-β-D-ribofuranose 2'-epimerase; Rv3791; DprE2

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.333
Reaction	trans,octacis-decaprenylphospho-β-D-arabinofuranose + NAD+ = trans,octacis-decaprenylphospho-β-D-erythro-pentofuranosid-2-ulose + NADH + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.