

## 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<sup>+</sup> = trans,octacis-decaprenylphospho-β-D-erythro-pentofuranosid-2-ulose + NADH + H<sup>+</sup>

**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.