Creative Enzymes®

GDP-4-dehydro-6-deoxy-D-mannose reductase

Cat. No. EXWM-0189

Lot. No. (See product label)

Introduction

Description	This enzyme differs from EC 1.1.1.187, GDP-4-dehydro-D-rhamnose reductase, in that the only product formed is GDP-α-D-rhamnose. D-Rhamnose is a constituent of lipopolysaccharides of Gram-negative plant and human pathogenic bacteria.
Synonyms	GDP-4-keto-6-deoxy-D-mannose reductase [ambiguous]; GDP-6-deoxy-D-lyxo-4-hexulose reductase; Rmd; GDP-6-deoxy-D-mannose:NAD(P)+ 4-oxidoreductase (D-rhamnose-forming); GDP-6-deoxy-α-D-mannose:NAD(P)+ 4-oxidoreductase (D-rhamnose-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.281
Reaction	GDP-α-D-rhamnose + NAD(P)+ = GDP-4-dehydro-α-D-rhamnose + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.