Creative Enzymes®

GDP-4-dehydro-D-rhamnose reductase

Cat. No. EXWM-0089

Lot. No. (See product label)

Introduction

Description	The enzyme, which operates in the opposite direction to that shown, forms a mixture of GDP-α-D-rhamnose and its C-4 epimer, GDP-6-deoxy-α-D-talose. cf. EC 1.1.1.281, GDP-4-dehydro-6-deoxy-D-mannose reductase and EC 1.1.1.135, GDP-6-deoxy-D-talose 4-dehydrogenase.
Synonyms	GDP-4-keto-6-deoxy-D-mannose reductase; GDP-4-keto-D-rhamnose reductase; guanosine diphosphate-4-keto-D-rhamnose reductase; GDP-6-deoxy-D-mannose:NAD(P)+ 4-oxidoreductase; GDP-6-deoxy-α-D-mannose:NAD(P)+ 4-oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.187
CAS No.	9075-56-3
Reaction	(1) GDP-α-D-rhamnose + NAD(P)+ = GDP-4-dehydro-α-D-rhamnose + NAD(P)H + H+; (2) GDP-6-deoxy-α-D-talose + 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 ℃.