Creative Enzymes®

GDP-perosamine synthase

Cat. No. EXWM-2842

Lot. No. (See product label)

Introduction

Description	A pyridoxal 5'-phosphate enzyme. D-Perosamine is one of several dideoxy sugars found in the O-specific polysaccharide of the lipopolysaccharide component of the outer membrane of Gram-negative bacteria. The enzyme catalyses the final step in GDP-α-D-perosamine synthesis.
Synonyms	RfbE; GDP-4-keto-6-deoxy-D-mannose-4-aminotransferase; GDP-perosamine synthetase; PerA; GDP-4-amino-4,6-dideoxy-α-D-mannose:2-oxoglutarate aminotransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.6.1.102
Reaction	GDP-α-D-perosamine + 2-oxoglutarate = GDP-4-dehydro-α-D-rhamnose + L-glutamate
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 ℃.