

UDP-N-acetylglucosamine 6-dehydrogenase

Cat. No. EXWM-0040

Lot. No. (See product label)

Introduction

Description

This enzyme participates in the biosynthetic pathway for UDP- α -D-ManNAc3NAcA (UDP-2,3-diacetamido-2,3-dideoxy- α -D-mannuronic acid), an important precursor of B-band lipopolysaccharide.

Synonyms

uridine diphosphoacetylglucosamine dehydrogenase; UDP-acetylglucosamine dehydrogenase; UDP-2-acetamido-2-deoxy-D-glucose:NAD oxidoreductase; UDP-GlcNAc dehydrogenase; WbpA; WbpO

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.136

CAS No.

9054-83-5

Reaction

UDP-N-acetyl- α -D-glucosamine + 2 NAD⁺ + H₂O = UDP-2-acetamido-2-deoxy- α -D-glucuronate + 2 NADH + 2 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.