

2-deoxystreptamine N-acetyl-D-glucosaminyltransferase

Cat. No. EXWM-2516

Lot. No. (See product label)

Introduction

Description

Involved in the biosynthetic pathways of several clinically important aminocyclitol antibiotics, including kanamycin, butirosin, neomycin and ribostamycin. Unlike the enzyme from the bacterium *Streptomyces kanamyceticus*, which can also accept UDP-D-glucose (cf. EC 2.4.1.284, 2-deoxystreptamine glucosyltransferase), the enzyme from *Bacillus circulans* can only accept UDP-N-acetyl- α -D-glucosamine.

Synonyms

btrM (gene name); neoD (gene name); kanF (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.283

Reaction

UDP-N-acetyl- α -D-glucosamine + 2-deoxystreptamine = UDP + 2'-N-acetylparomamine

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.