Creative Enzymes®

2'-deamino-2'-hydroxyneamine 1-α-D-kanosaminyltransferase

Cat. No. EXWM-2536

Lot. No. (See product label)

Introduction

Description	Involved in the biosynthetic pathway of kanamycins. The enzyme characterized from the bacterium Streptomyces kanamyceticus can also accept UDP-α-D-glucose with lower efficiency.
Synonyms	kanE (gene name); kanM2 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.301
Reaction	(1) UDP-α-D-kanosamine + 2'-deamino-2'-hydroxyneamine = UDP + kanamycin A; (2) UDP-α-D-kanosamine + neamine = UDP + kanamycin B; (3) UDP-α-D-kanosamine + paromamine = UDP + kanamycin C; (4) UDP-α-D-kanosamine + 2'-deamino-2'-hydroxyparomamine = UDP + kanamycin X
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 ℃.