

neomycin C transaminase

Cat. No. EXWM-2936

Lot. No. (See product label)

Introduction

Description

The reaction occurs in vivo in the opposite direction. Involved in the biosynthetic pathway of aminoglycoside antibiotics of the neomycin family. Works in combination with EC 1.1.3.44, 6'''-hydroxynemomycin C oxidase, to replace the 6'''-hydroxy group of 6'''-deamino-6'''-hydroxynemomycin C with an amino group. The enzyme, characterized from the bacterium *Streptomyces fradiae*, can also catalyze EC 2.6.1.93, neamine transaminase.

Synonyms

neoN (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.6.1.95

Reaction

neomycin C + 2-oxoglutarate = 6'''-deamino-6'''-oxoneomycin C + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.