Creative Enzymes®

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'''-hydroxyneomycin C oxidase, to replace the 6'''-hydroxy group of 6'''-deamino-6'''-hydroxyneomycin C with an amino group.The enzyme, characterized from the bacterium Streptomyces fradiae, can also catalyse 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.